BALTIMORE SE, MARYLAND

NATIONAL WETLANDS INVENTORY

30' X 60' MINUTE SERIES (WETLANDS)

Baltimore SE
MARYLAND

1:100,000 - Scale Map of

National Wetlands Inventory

- Wetland classifications
- Highways, roads and other manmade structures
- Water features
- Geographic names

FISH & WILDLIFE SERVICE

1983

Produced by the United States Fish and Wildlife Service

SCALE 1:100,000

WETLAND LEGEND

M MARINE
1 SUBTIDAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef

M MARINE
2 INTERTIDAL
AB Aquatic Bed
RF Reef
RS Rocky Shore
BB Beach Bar

E ESTUARINE
1 SUBTIDAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef

E ESTUARINE
2 INTERTIDAL
AB Aquatic Bed
RF Reef
ES Streambed
RS Rocky Shore
BB Beach Bar
EM Emergent
SS Scrub/Shrub
FO Forested

R RIVERINE
1 TIDAL
EM Emergent/Nonpersistent
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
ES Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
2 LOWER PERENNIAL
EM Emergent, Nonpersistent
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
ES Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
3 UPPER PERENNIAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
ES Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
4 INTERMITTENT
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
ES Streambed
RS Rocky Shore
BB Beach Bar

L LACUSTRINE
1 LIMNETIC
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed

L LACUSTRINE
2 LITTORAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
RS Rocky Shore
BB Beach Bar
EM Emergent Nonpersistent

P PALUSTRINE
NO SUBSYSTEMS
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef
MB Moss/Lichen
EM Emergent
SS Scrub/Shrub
FO Forested

SYSTEM
SUBSYSTEM
CLASS

Subclass, where required

Combined water regime

Examples

Cowardin, Lewis M. et al.

"SOURCES OF ADDITIONAL INFORMATION"

1 Lexington, U.S. Forest Service.
2 Land Surface Form, U.S. Geological Survey.
3 Salinities and Water Regimen, U.S. Fish and Wildlife Service.

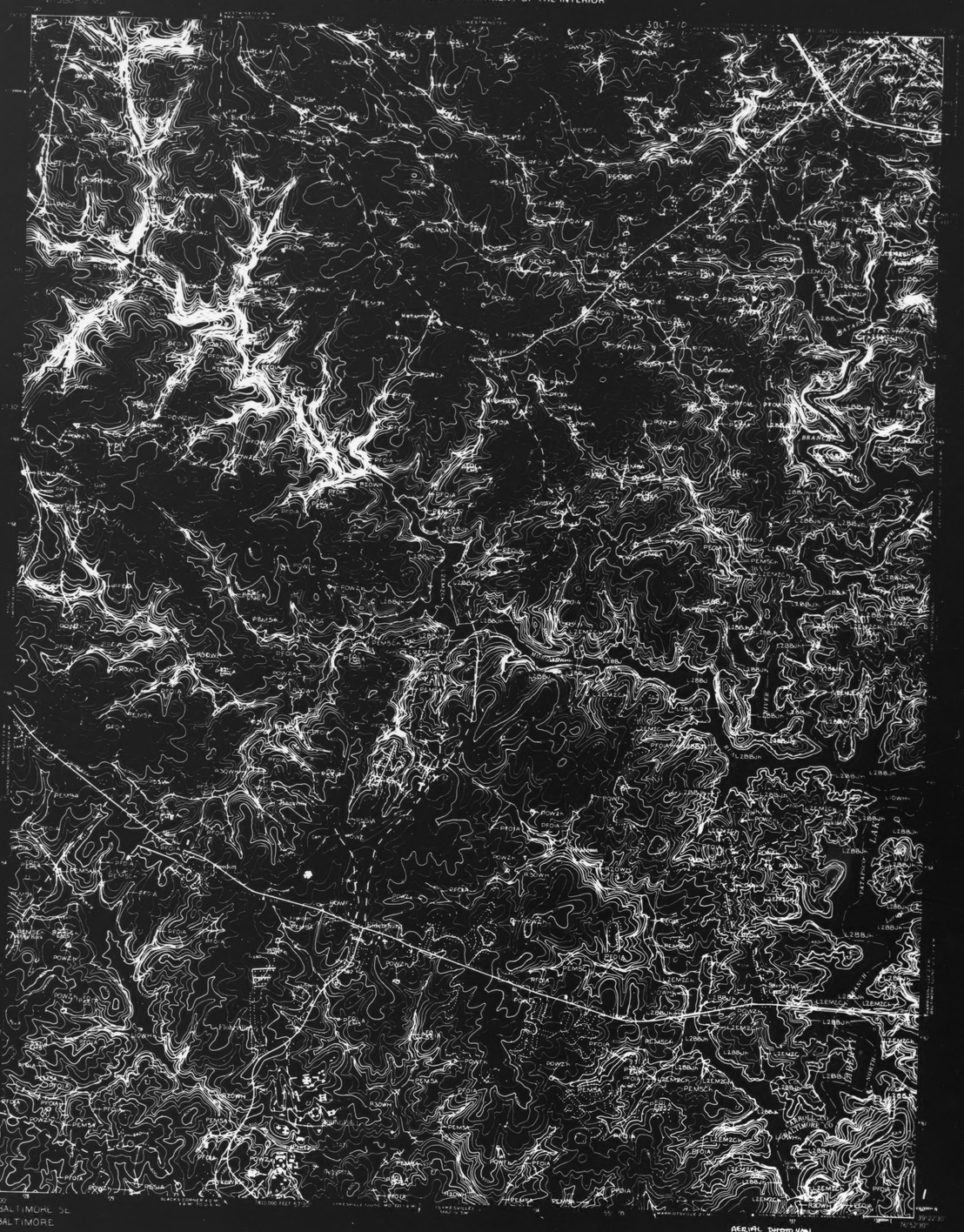
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE

NW	NC	NE
SW	SC	SE

BALTIMORE SE, MARYLAND

1983

NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

P - Palustrine, represents upland areas, but may include undrained wetlands such as man-modified areas, non-photo-identifiable areas and/or unintentional omissions

M - MARINE

E - ESTUARINE

R - RIVERINE

L - LACUSTRINE

P - PALUSTRINE

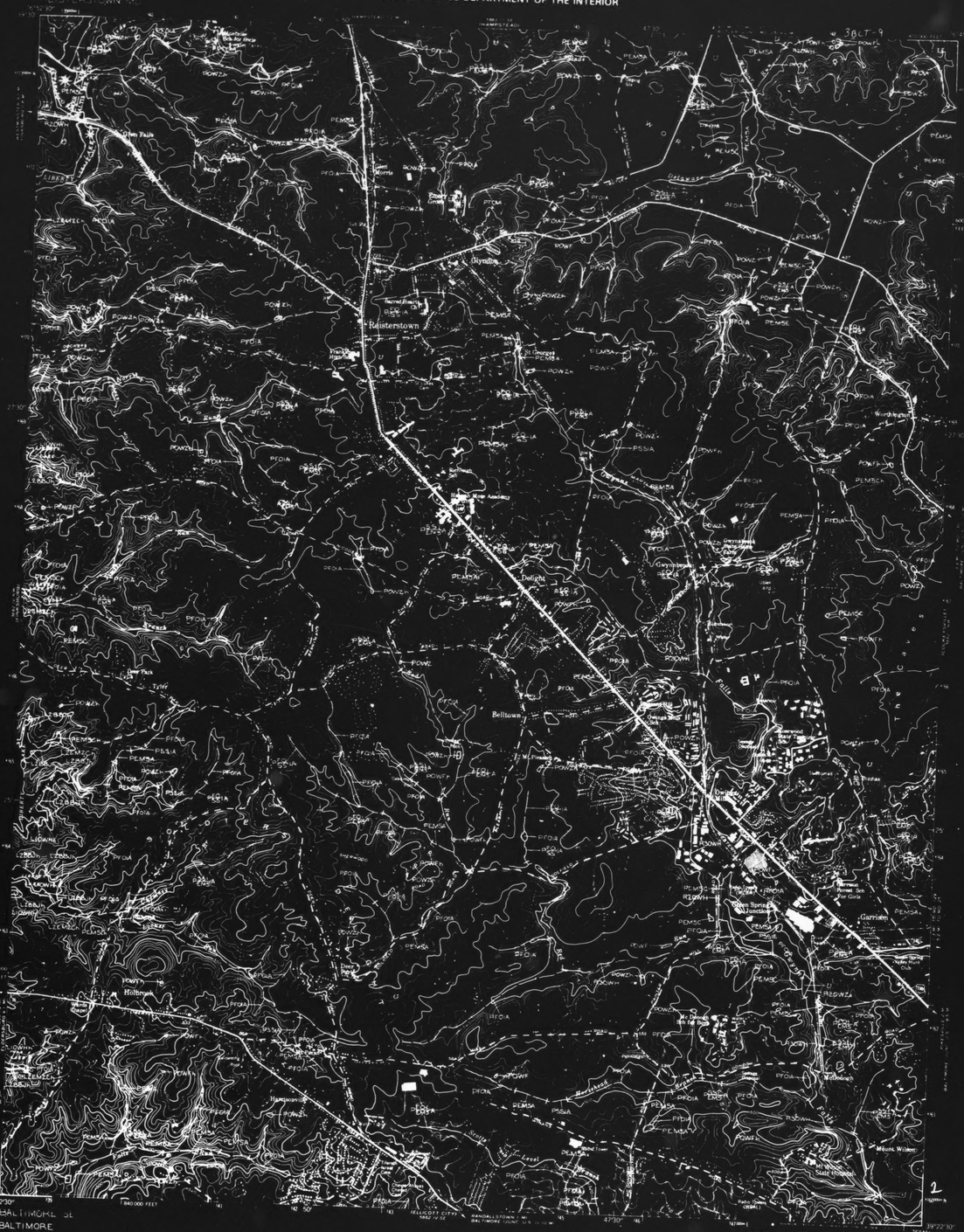
MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

| WATER REGIME (1) | | |

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


REISTERSTOWN MD
Glyndon
Reisterstown
Twilight
Bellstown
Holtsville
Gamber
Mount Wilson
Wrenwood
Hampstead
Glen Rock
Glen Park
Glen Falls
Gwynnbrook
Green Spring Junction
Maryland Correctional Institution for Women
Maryland Correctional Institution for Boys
Maryland Correctional Institution for Girls
Maryland Correctional Institution
Maryland Correctional Institution for Men

NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR

SYKESVILLE, MD

3BLT-4

BALTIMORE SE
BALTIMORE

AERIAL PHOTO 4/81

SYKESVILLE, MD

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions

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P – PALUSTRINE

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WATER REGIME(1)												WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS	
Non Tidal			Tidal			Coastal Salinity		Inland Salinity		pH Modifiers for all Fresh Water								
A Temporary	F Intermittent	K Artificial	L Subtidal	P Irregularly Flooded		5 Hypersaline		8 Hypersaline		6 Acid								
B Saturated	G Intermittent/Temporary		M Irregular Exposure			4 Euhaline		7 Eusaline		7 Circumneutral								
C Seasonal	H Permanent		N Regularly Flooded			3 Mixohaline (Brackish)		6 Mixosaline		8 Alkaline								
D Intermittently Exposed	J Intermittent Tidal		P Irregularly Flooded			2 Polyhaline		5 Polysaline										
E Permanently Flooded						1 Mesohaline		4 Mesosaline										
						0 Oligohaline		3 Oligosaline										

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

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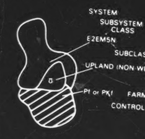
SYMBOLOGY EXAMPLE



NOTES TO THE USER

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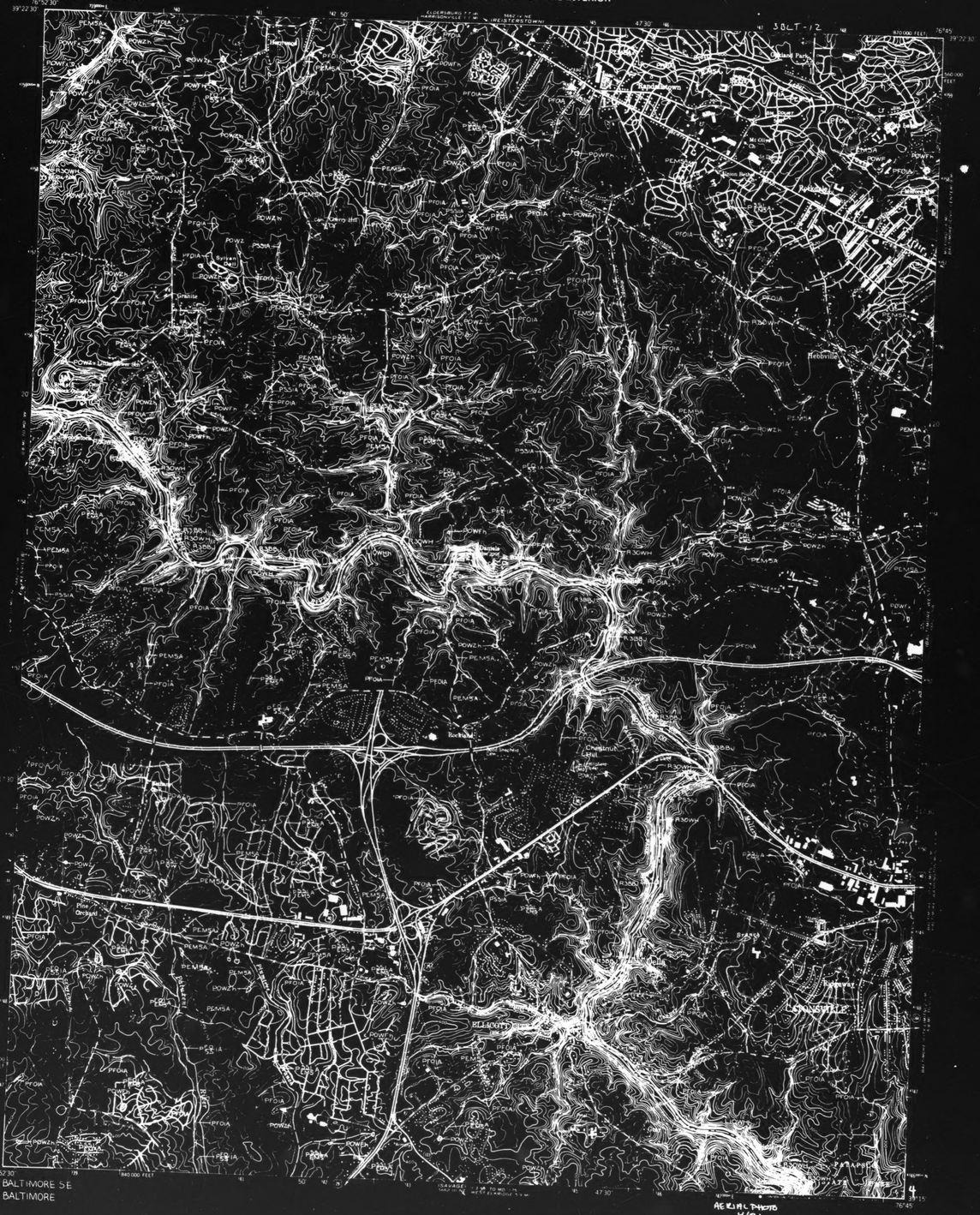
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated

WASHINGTON, D.C.
BALTIMORE (Bz)
BALTIMORE

	NW		NC		NE	
	SW		SC		SE	

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

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M – MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal | 2 – Intertidal

CLASS | Subclass

ROCK BOTTOM | UNCONSOLIDATED BOTTOM | AQUATIC BED | REEF | OPEN WATER | ROCKY SHORE | BEACH-BAR | EMERGENT | SCRUB-SHRUB | FORESTED

E – ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal | 2 – Intertidal

CLASS | Subclass

ROCK BOTTOM | UNCONSOLIDATED BOTTOM | AQUATIC BED | REEF | OPEN WATER | ROCKY SHORE | BEACH-BAR | EMERGENT | SCRUB-SHRUB | FORESTED

R – RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Tidal | 2 – Lower Perennial | 3 – Upper Perennial | 4 – Intermittent | 5 – Unknown Perennial

CLASS | Subclass

EMERGENT | ROCK BOTTOM | UNCONSOLIDATED BOTTOM | AQUATIC BED | FLAT | STREAMBED | OPEN WATER

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Limnetic | 2 – Littoral

CLASS | Subclass

ROCK BOTTOM | UNCONSOLIDATED BOTTOM | AQUATIC BED | OPEN WATER | ROCKY SHORE | BEACH-BAR | EMERGENT | OPEN WATER

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

CLASS | Subclass

ROCK BOTTOM | UNCONSOLIDATED BOTTOM | AQUATIC BED | FLAT | MOSS-LICHEN | EMERGENT | SCRUB-SHRUB | FORESTED | OPEN WATER

MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal	Tidal
A Temporary	K Subtidal
B Saturated	L Irregularly Exposed
C Seasonal (Saturated-Upper)	M Regularly Exposed
D Seasonal (Flooded-Lower)	N Irregularly Flooded
E Intermittently Exposed	P Regularly Flooded
F Semipermanent (Flooded)	
G Intermittently Flooded-Temporary	
H Intermittently Flooded-Saturated	
J Permanent	

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water	SOIL
1 Hyperhaline	5 Hypersaline	6 Acid	1 Mineral
2 Euhaline	6 Eusaline	7 Circumneutral	2 Organic
3 Mixohaline (Brackish)	7 Mixosaline	8 Alkaline	
4 Fresh	8 Fresh		

SPECIAL MODIFIERS

b Beaver, d Partly Drained/Ditched, f Farmed, h Diked/Impounded, r Artificial, s Spoil, x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above-listed source

SPECIAL NOTE

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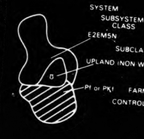

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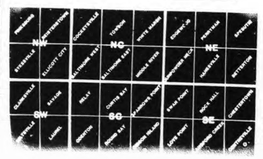
INDEX TO MAPS

BALTIMORE (SE)

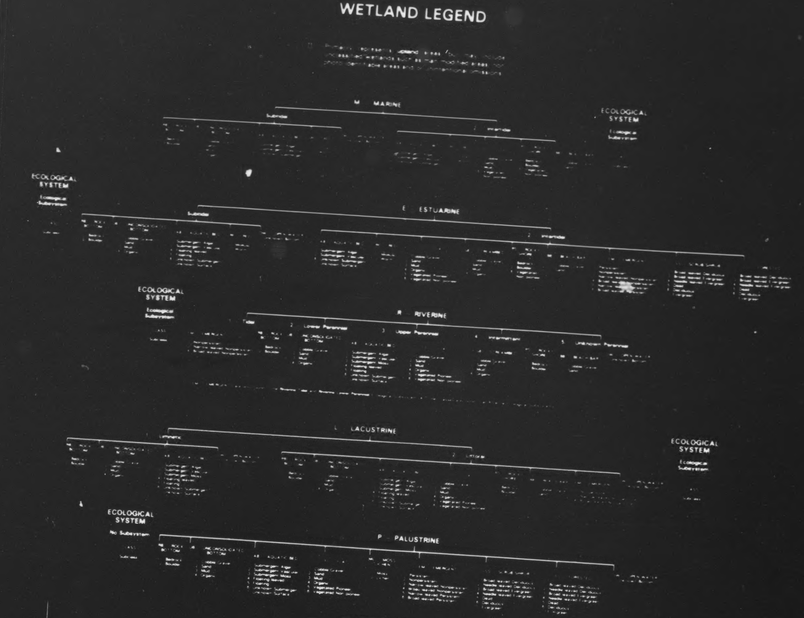
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WETLAND LEGEND



MODIFYING TERMS

WATER REGIME(1)			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
Permanently Flooded	Intermittently Exposed	Subtidal	Hypersaline	Hypersaline	Acid	Organic	Beaver
Intermittently Flooded	Semipermanently Flooded	Irregularly Exposed	Eusaline	Eusaline	Circumneutral	Mineral	Partly Drained/Ditched
Saturated	Seasonally Flooded	Regularly Flooded	Mixohaline (Brackish)	Mixosaline	Alkaline		Farmed
Artificially Flooded		Permanently Flooded	Polyhaline	Polysaline			Diked/Impounded
			Mesohaline	Mesosaline			
			Oligohaline	Oligosaline			
			Fresh	Fresh			

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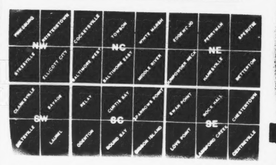
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

TOWSON, MD

BALTIMORE SE
BALTIMORE

SCALE 1:24000

AERIAL PHOTO 4/81

TOWSON, MD

WETLAND LEGEND

M – MARINE

E – ESTUARINE

R – RIVERINE

L – LACUSTRINE

P – PALUSTRINE

MODIFYING TERMS

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WATER REGIME (1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	F Intermittently Flooded	K Artificially Flooded	S Subtidal	1 Hypersaline	1 Hypersaline	5 Acid	o Organic	b Beaver
B Saturated	G Intermittently Flooded/Temporary	L Subtidal	T Irregularly Flooded	2 Eusaline	2 Eusaline	6 Circumneutral		d Partly Drained/Ditched
C Seasonal	H Intermittently Flooded/Saturated	M Irregularly Flooded	V Regularly Flooded	3 Mixohaline (Brackish)	3 Mixosaline	7 Alkaline		f Farmed
D Permanent	J Intermittently Flooded/Permanent	N Regularly Flooded		4 Polyhaline	4 Polysaline			h Diked/Impounded

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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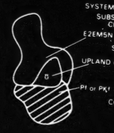

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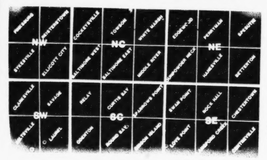
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WHITE MARSH MD

BALTIMORE SE
BALTIMORE

AERIAL PHOTO 5/82

WHITE MARSH, MD

WETLAND LEGEND

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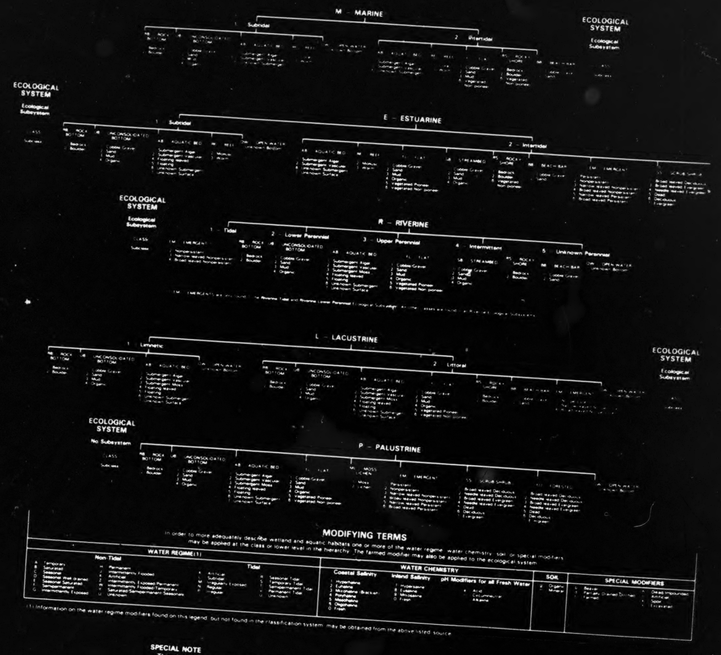

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WATER REGIME(1)		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity		
A Temporary	F Permanent	1 Hyperhaline	5 Hypersaline	s Saturated	b Beaver
B Saturated	G Intermittently Exposed	2 Euhaline	6 Eusaline		d Partly Drained
C Seasonal	H Permanently Flooded	3 Mixohaline (Brackish)	7 Oligohaline		h Diked/Impounded
D Intermittently Flooded	K Artificially Flooded	4 Polyhaline	8 Fresh		x Excavated
E Saturated/Semipermanent/Permanent					

pH Modifiers for all Fresh Water: 0 Acid, 9 Alkaline

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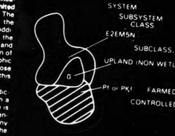

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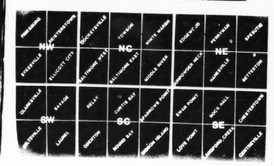
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

BALTIMORE WEST, MD
39BLT-18
Pikesville
Randallstown
Owings Mills
Arlington
Howard County
Ellicott City
Woodlawn
Catonsville
Baltimore
Dundalk
Essex
Middle River
Rogers Heights
Sparrows Point
Turners Station
Dorsey Run
Patapsco River
Gwynns Falls
Curtis Bay
Brooklyn
Glen Burnie
Linthicum
Severn Run
Jessup
Maryland City
Laurel
Guilford
Savage
Hanover
Gunpowder Falls
Bird River
Stemmers Run
Middle River
Back River
Bear Creek
Dundalk Marine Terminal
Fort Howard
Edgemere
Sollers Point
Bodkin Point
Hawkins Point
Brooklyn Park
Pumphrey
Harmans
Dorsey
Elkridge
Jessup
Maryland City
Fort Meade
Gambrills
Odenton
Crofton
Gambrills
Millersville
Pasadena
Glen Burnie
Linthicum
Ferndale
Arbutus
Halethorpe
Lansdowne
Baltimore
Catonsville
Woodlawn
Westview
Windsor Mill
Woodlawn
Owings Mills
Reisterstown
Randallstown
Pikesville
Lochearn
Milford Mill
Pikesville
Towson
Lutherville
Timonium
Cockeysville
Hunt Valley
Phoenix
Parkton
Jacksonville
Sparks
Glencoe
Hereford
Monkton
Freeland
Whiteford
Forest Hill
Bel Air
Aberdeen
Havre de Grace
Perryman
Edgewood
Joppatowne
Abingdon
Churchville
Darlington
Fallston
Bel Air
Forest Hill
Jarrettsville
Whiteford
Dublin
Street
Delta
Hickory
Norrisville
Benson
Kingsville
Fork
Long Green
Glen Arm
Cockeysville
Timonium
Lutherville
Towson
Pikesville
Reisterstown
Owings Mills
Randallstown
Woodlawn
Catonsville
Arbutus
Halethorpe
Lansdowne
Baltimore
Dundalk
Essex
Middle River
Rosedale
Parkville
Overlea
Perry Hall
White Marsh
Nottingham
Joppa
Edgewood
Aberdeen
Havre de Grace
Perryman

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

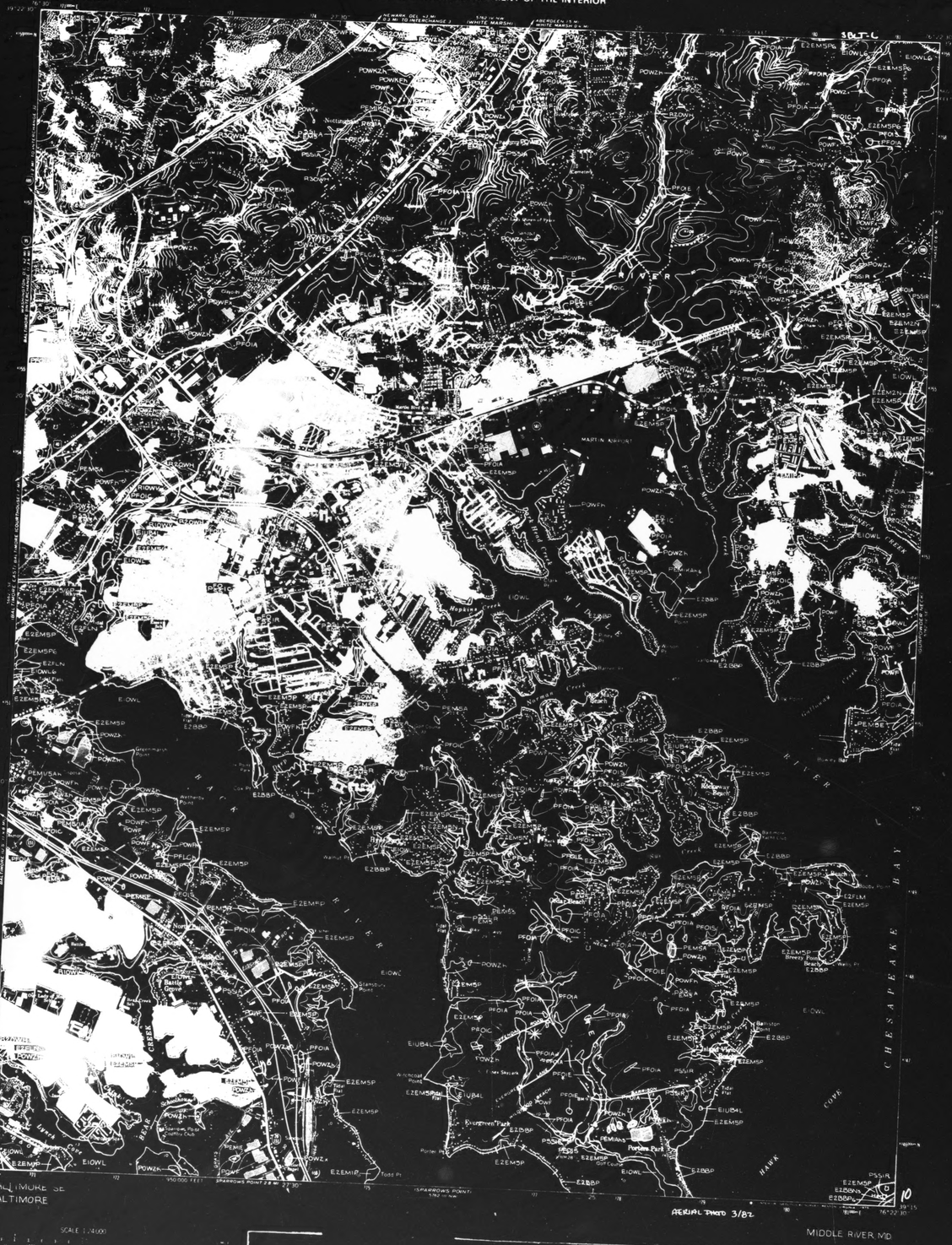
BALTIMORE EAST, MD

3BLT-19

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

MIDDLE RIVER MD



BALTIMORE SE
BALTIMORE

SCALE 1:24,000

AERIAL PHOTO 3/82

MIDDLE RIVER, MD

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions

M – MARINE

E – ESTUARINE

R – RIVERINE

L – LACUSTRINE

P – PALUSTRINE

MODIFYING TERMS

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WATER REGIME(1)				WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
Permanently Flooded	Intermittently Exposed	Permanently Flooded	Intermittently Exposed	Hypersaline	Hypersaline	Acid	Alkaline	Organic	Beaver
Intermittently Flooded	Semipermanently Flooded	Subtidal	Irregularly Exposed	Euhaline	Eusaline	Circumneutral	Ferruginous	Mineral	Partly Drained/Ditched
Artificially Flooded	Seasonally Flooded	Irregularly Flooded		Mixohaline (Brackish)	Mixosaline				Farmed
Saturated	Temporarily Flooded	Regularly Flooded		Polyhaline	Polysaline				Diked/Impounded
	Intermittently Flooded			Mesohaline	Mesosaline				
				Oligohaline	Oligosaline				
				Fresh	Fresh				

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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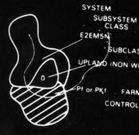
SYMBOLOGY EXAMPLE



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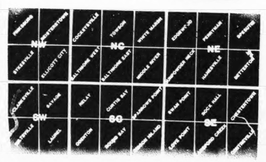
INDEX TO MAPS
BALTIMORE (8E)
(4) Counties



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

EDGEWOOD , MD
38LT-11
ATKISSON RESERVOIR
ARMY CHEMICAL CENTER
ABERDEEN PROVING GROUND
GUNPOWDER RIVER
BIRD RIVER
BUSH RIVER
HARFORD CO
BALTIMORE CO
Harewood Park
Harewood
West Twin River
Iron Point
Hog Point
Piney Point
Tapler Point
Beach Point
Wilson Point
Rock Jetty
Edgewood
Magnolia
Clayton
Gunpowder Neck
Bird Island
Gunpowder Point
Public Point
Eagle Point
Bedman Point
INTERCHANGE 3
R30WH
R20WH
R20WZ
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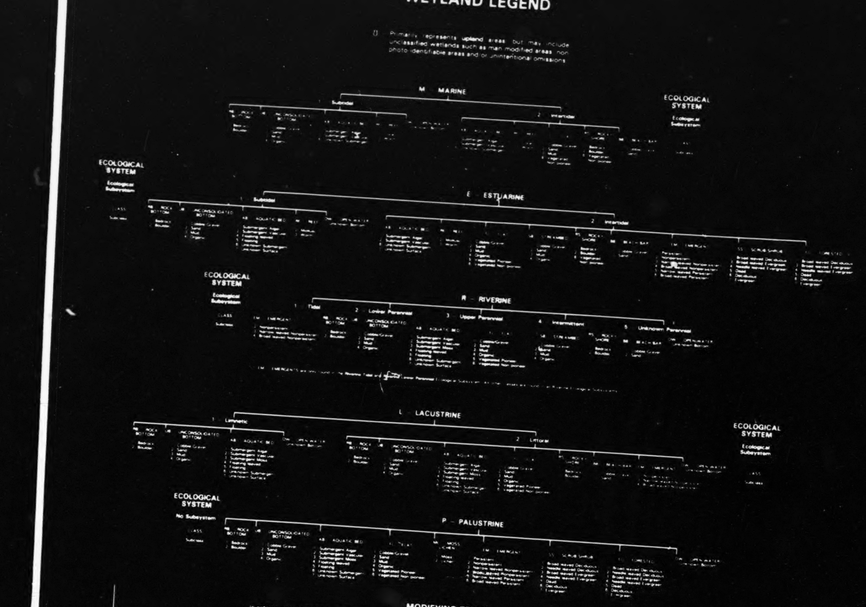
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WETLAND LEGEND



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			(Modifiers for all Fresh Water)			

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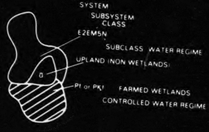

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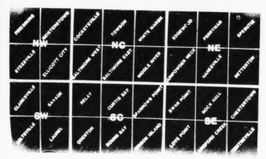
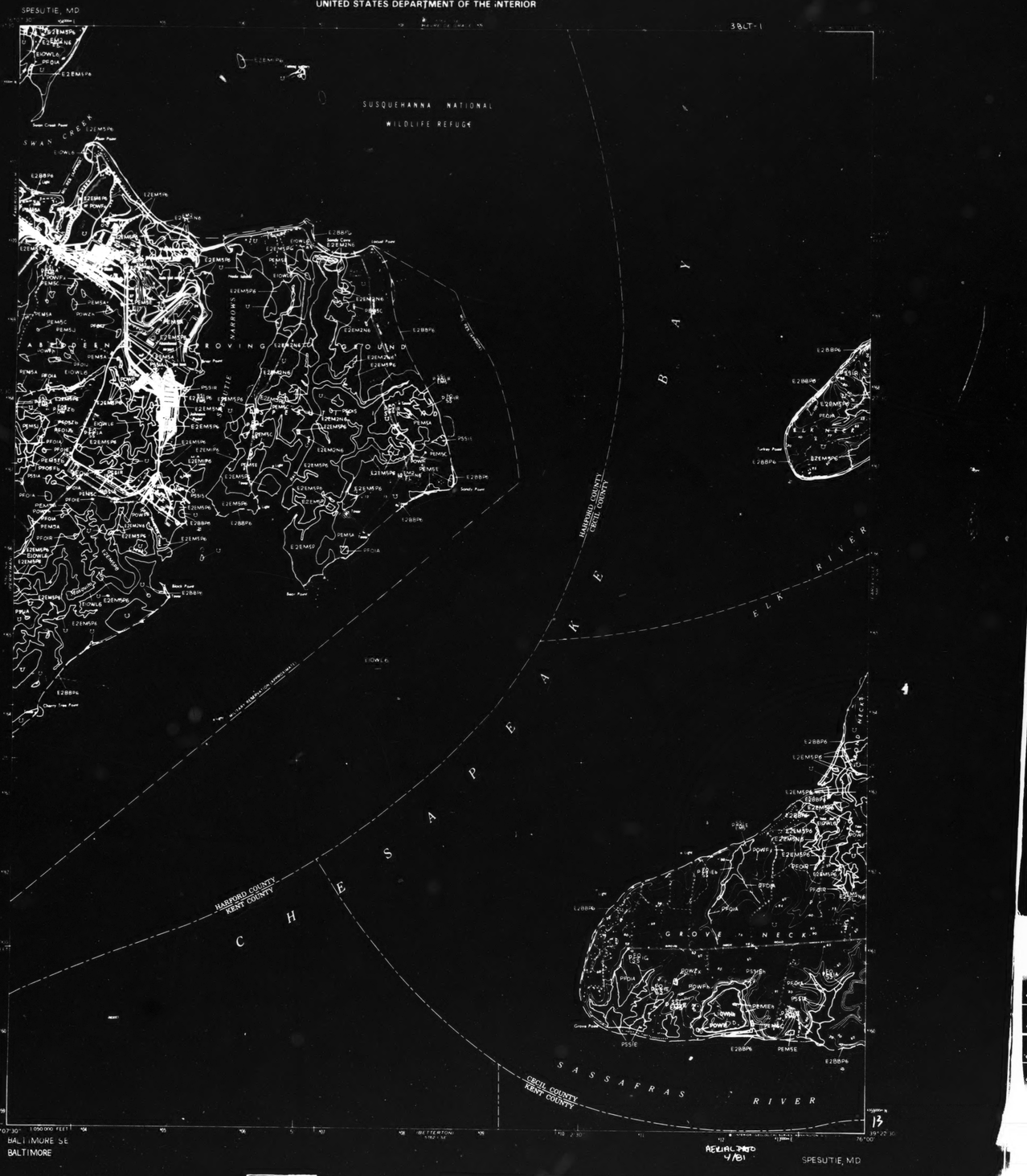
INDEX TO MAP PANELS

BALTIMORE (SE)
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


SPESUTIE, MD
38CT-1
SUSQUEHANNA NATIONAL
WILDLIFE REFUGE
SWAN CREEK
ABERDEEN PROVING GROUND
NARROWS
CHESAPEAKE BAY
BLK RIVER
HARFORD COUNTY
KENT COUNTY
CECIL COUNTY
KENT COUNTY
GROVE NECK
SASSAFRAS RIVER
Spesutie Island
Turkey Point
Grove Point
Sandy Point
Love Point
Bush Point
Cherry Tree Point
Sassafras Point
Betterton
E2BBP6
E2EMSP6
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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

GUNPOWDER NECK, MD

WETLAND LEGEND

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Non Tidal		Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water				
1 Permanently Flooded	6 Seasonally Flooded	7 Permanently Flooded	8 Irregularly Flooded			1 Hyperhaline	1 Hyperhaline	1 Acid	5 Circumneutral	1 Organic	1 Beaver	5 Diked/Impounded
2 Intermittently Flooded	7 Saturated	9 Irregularly Exposed	0 Artificially Flooded			2 Euhaline	2 Eusaline	2 Alkaline	6 Calcareous	2 Mineral	2 Partly Drained/Ditched	6 Artificial
3 Artificially Flooded	8 Artificial	A Semipermanently Flowing				3 Mixohaline (Brackish)	3 Oligohaline				3 Farmed	7 Revegetated
4 Semipermanently Flooded	9 Intermittently Exposed	B Regularly Flooded				4 Polyhaline	4 Fresh				4 Farmed/Drained/Ditched	8 Excavated
5 Seasonally Flooded/Saturated	A Semipermanently Flowing	C Irregularly Flooded				5 Mesohaline	5 Subhaline					9 Spoil/Subsurface

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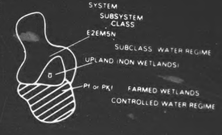
SYMBOLOGY EXAMPLE



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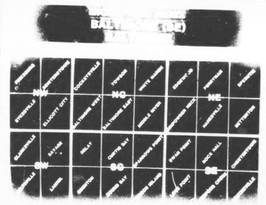
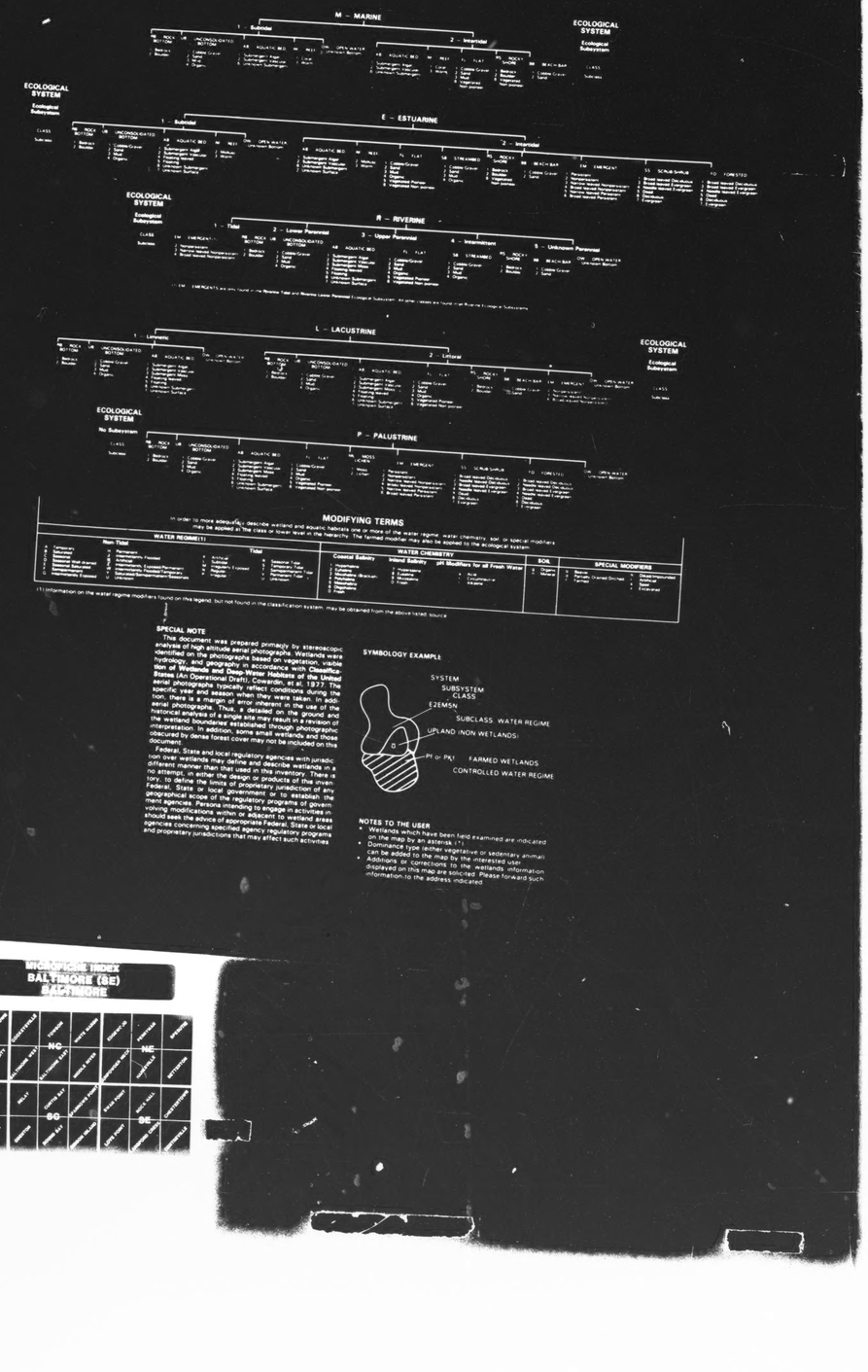


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The tilded modifier may also be applied to the ecological system.

WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		General Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	F Permanently Flooded	K Artificial	V Permanently Flooded-Tidal	4 Hypersaline	1 Subsaline	6 Acid	b Basic	s Spoil
B Saturated	G Intermittently Exposed	L Intermittently Exposed	W Intermittently Exposed-Tidal	3 Euhaline	2 Mixosaline	7 Circumneutral		
C Seasonally Saturated	H Permanently Flooded-Tidal	M Subtidal		2 Mixohaline (Brackish)		8 Alkaline		
D Intermittently Flooded	J Intermittently Exposed-Tidal			1 Oligohaline				
E Seasonally Flooded				0 Fresh				

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

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INDEX TO MAP PANELS
BALTIMORE (SE)
BALTIMORE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

BETTERTON, MD

A.M.S. SERIES V833

38077-21

SASSAFRAS RIVER

CHESAPEAKE

STILLPOND

STILLPOND

BALTIMORE SE
BALTIMORE

SCALE 1:24000

AERIAL PHOTO 4/81

BETTERTON, MD

16

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions

M – MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

E – ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

R – RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Tidal

2 – Lower Perennial

3 – Upper Perennial

4 – Intermittent

5 – Unknown Perennial

L – LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Limnetic

2 – Littoral

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

MODIFYING TERMS

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WATER REGIME(1)		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity		
A Temporary	Subtidal	Hyperhaline	Hypersaline	Organic	Beaver
B Saturated	Irregularly Exposed	Euhaline	Eusaline	Mineral	Partly Drained/Ditched
C Seasonal (Saturated)	Regularly Flooded	Mixohaline (Brackish)	Mixosaline		
D Seasonal (Semipermanent)	Irregularly Flooded	Polyhaline	Polysaline		
E Permanent	Semipermanent Tidal	Mesohaline	Mesosaline		
	Permanent Tidal	Oligohaline	Oligosaline		
		Fresh	Fresh		

pH Modifiers for all Fresh Water: 1 Acidic, 2 Alkaline

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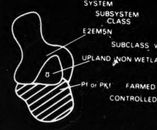

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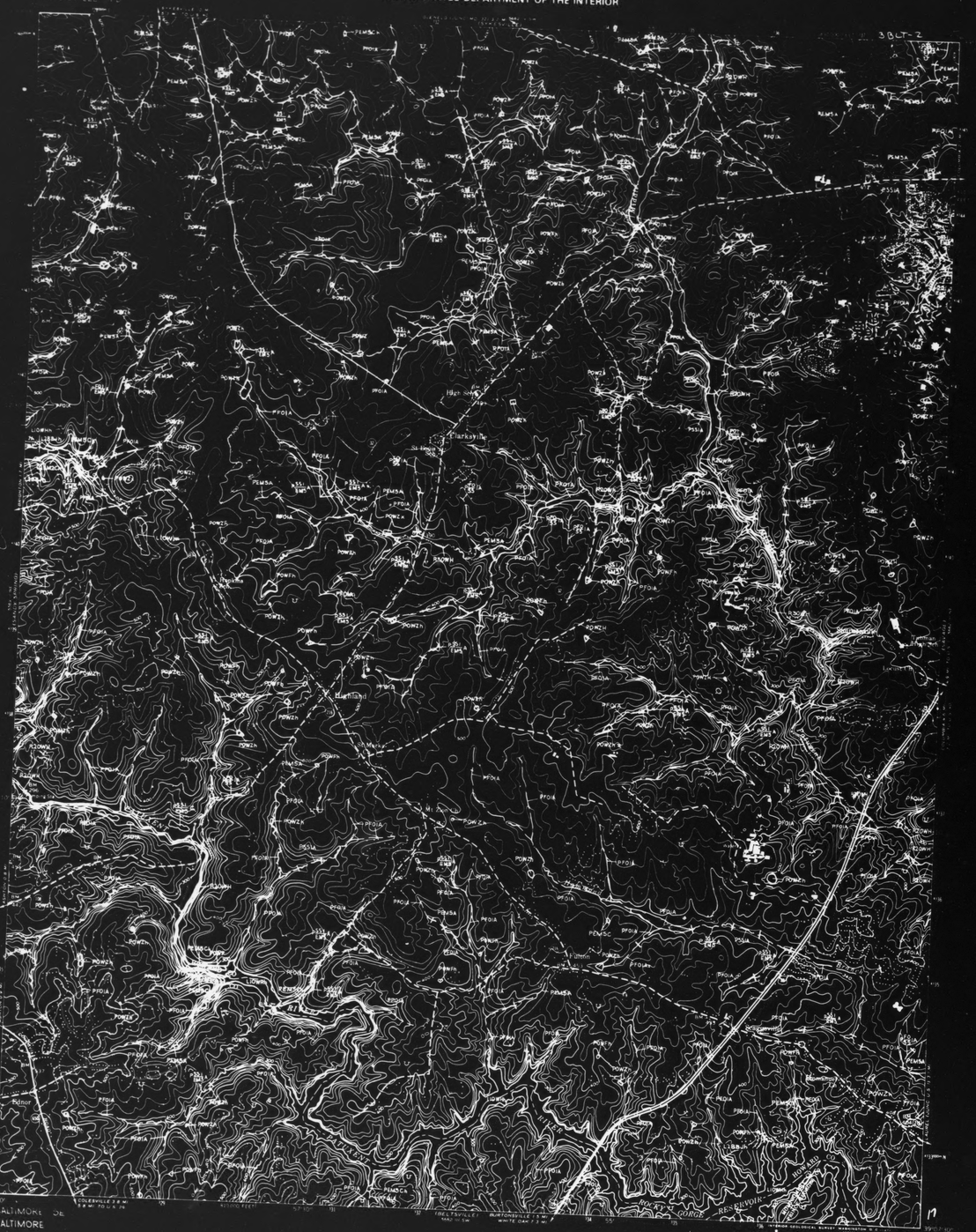
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE

	NW		NC			NE	
	SW		SC			SE	

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



BALTIMORE DE

BALTIMORE

CLARKSVILLE, MD.

SCALE 1:24000

AERIAL PHOTO 4/81

WETLAND LEGEND

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M – MARINE

E – ESTUARINE

R – RIVERINE

L – LACUSTRINE

P – PALUSTRINE

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WATER REGIME (1)										WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS	
Non-Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water				
A Temporary	F Seasonal	J Intermittent		K Artificial		Y Saturated				5 Hypersaline	8 Subsaline	a Acid	i Circumneutral	1 Organic	b Beaver	m Diked/Impounded
B Saturated	G Semipermanent			L Intermittent		Z Intermittent				6 Eusaline	9 Fresh	b Alkaline		2 Mineral	h Partially Drained/Ditched	x Excavated
C Seasonal	H Permanent			R Permanent						7 Mixohaline (Brackish)						
E Seasonally Flooded/Saturated				S Subtidal												
				T Irregularly Exposed												

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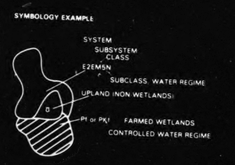

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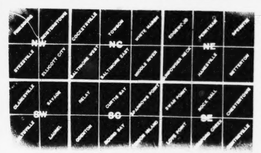

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

SAVAGE, MD

BALTIMORE SE
BALTIMORE

SCALE 1:24000

AERIAL PHOTO
4/81

SAVAGE, MD

WETLAND LEGEND

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WATER REGIME (1)												WATER CHEMISTRY								SOIL	SPECIAL MODIFIERS		
Non Tidal				Tidal								Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water									
A Temporarily Flooded				V Permanently Flooded				J Irregularly Exposed				1 Hypersaline	5 Saline	6 Hyperhaline						7 Organic	8 Special Modifiers		
B Saturated				W Intermittently Flooded				K Irregularly Flooded				2 Euhaline	6 Hyperhaline	a Acid						9 Mineral			
C Seasonally Flooded				X Artificially Flooded								3 Mixohaline (Brackish)	7 Oligohaline	b Circumneutral									
D Seasonally Flooded/Saturated				Y Semipermanently Flooded								4 Polyhaline	8 Fresh	c Alkaline									
E Seasonally Flooded/Well Drained				Z Permanently Flooded/Tidal																			
F Seasonally Flooded/Saturated Low																							
G Temporarily Flooded/Saturated																							
H Permanently Flooded																							
J Intermittently Exposed																							

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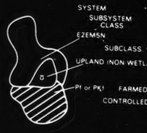

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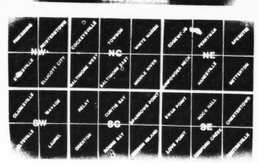
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE



GRID

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

BELTSVILLE , MD

BLT-17
Burtonsville
Peach Orchard Heights
Fairland
Briggs Chaney
Colesville
Fairland Regional Park
Fairland Branch Stream Valley Park
Hillandale
Westover
Four Seasons
Good Hope
Fairland
Cloverly
Calverton
Fairland Hills
Fairland Manor
New Birmingham Manor
Perrywood Estates
Rocky Gorge Reservoir
Rocky Gorge
Briggs Chaney Middle School
Briggs Chaney Park
Sandy Spring
Ashton
Sandy Spring Friends School
Sandy Spring Museum
Brighton Dam
Brighton
Sunshine
Norwood
Norwood Hills
Norwood Park
Sherwood
Sherwood Forest
Sherwood Forest Estates
Sherwood Manor
Sherwood Manor Estates
Sherwood Manor Park
Sherwood Manor Recreational Park
Sherwood Manor Recreational Park Lake
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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

LAUREL , MD

38LT-II
FORT GEORGE G MEADE
MILITARY RESERVATION
U S MILITARY RESERVATION
U S DEPT OF THE INTERIOR
U S DEPARTMENT OF AGRICULTURE
RESEARCH CENTER
U S DEPT OF AGRICULTURE
RESEARCH CENTER
BELTSVILLE AIRPORT
GREENBELT
BOWIE
Jericho Park
Annapolis (Lundell) Fld
TIPTON AIRFIELD
Argonne Hills
NATIONAL SECURITY AGENCY
Patuxent Pond
Duckpond
Turkeypen Pond
Research Pond
Beltsville Lake
Lowell Lake
Cow Lake
Gravel Pit
Sand and Gravel Pit
Sand and Gravel Pits
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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

RELAY, MD

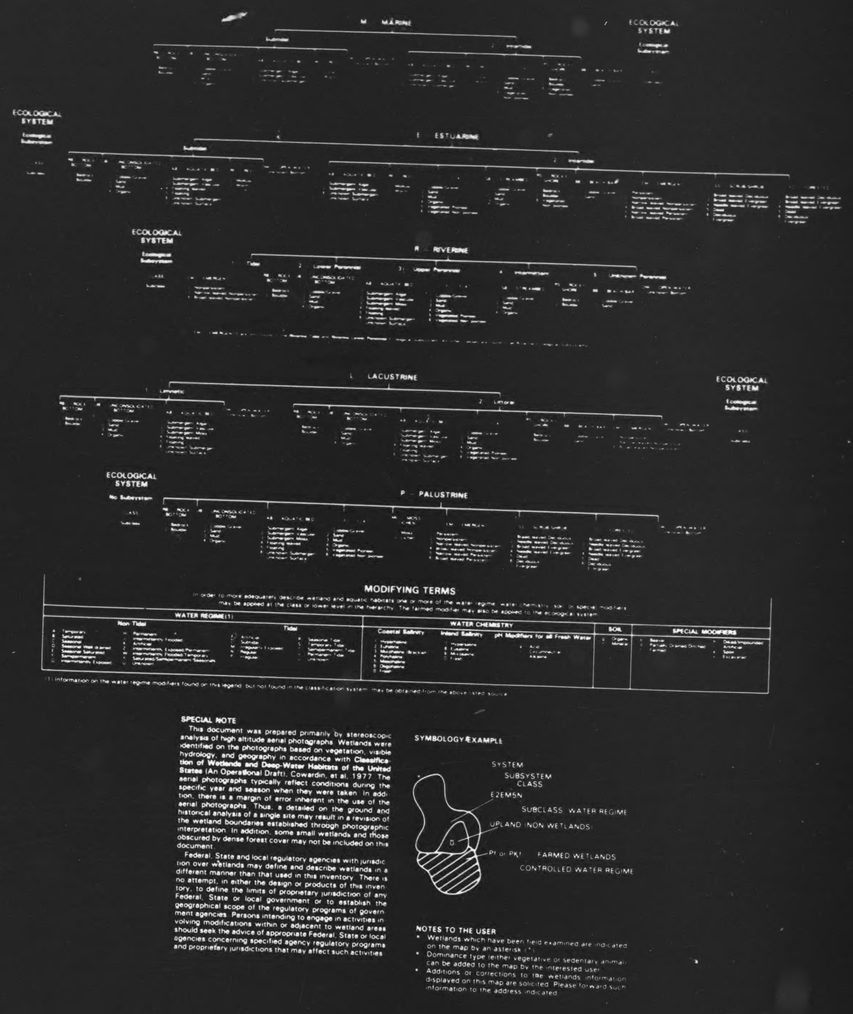
BALTIMORE SE
BALTIMORE

AERIAL PHOTO 4/81

RELAY, MD

SCALE 1:24000

WETLAND LEGEND



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Non Tidal	Tidal	Coastal Salinity	Inland Salinity		
A Temporary	K Subtidal	1 Hyperhaline	5 Saline	Organic	b Beaver
B Saturated	L Irregularly Flooded	2 Euhaline	6 Hypersaline	Mineral	d Partly Drained/Ditched
C Seasonal	M Regularly Flooded	3 Mixohaline (Brackish)	7 Eusaline		h Diked/Impounded
D Intermittently Exposed	N Irregularly Exposed	4 Polyhaline	8 Hyposaline		x Excavated
E Permanently Flooded	P Regularly Exposed		0 Fresh		
F Intermittently Flooded					
G Artificially Flooded					
H Permanently Flooded-Tidal					

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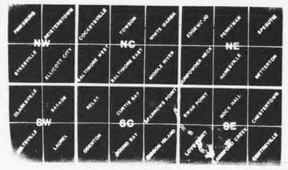
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE



GRID

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UNITED STATES DEPARTMENT OF THE INTERIOR

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Non Tidal		Tidal			Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	F Nontidal/Artificially Flooded	G Subtidal	J Irregularly Flooded	K Artificial Flooded	5 Hypersaline	6 Hyperhaline	7 Acid	8 Organic	B Beaver
B Saturated	H Permanently Flooded	H Permanently Flooded			4 Euhaline	3 Mixohaline (Brackish)	8 Alkaline	9 Mineral	C Partly Drained/Ditched
C Seasonal	J Intermittently Flooded/Temporary	J Irregularly Flooded			3 Mixohaline (Brackish)	2 Polyhaline	9 Saline		D Farmed
D Intermittently Flooded	K Artificial Flooded	K Artificial Flooded			2 Polyhaline	1 Mesohaline			E Diked/Impounded
E Intermittently Flooded/Saturated					1 Mesohaline	0 Oligohaline			H Diked/Impounded/Farmed
F Nontidal					0 Oligohaline				R Artificial Substrate
									S Spoil
									V Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

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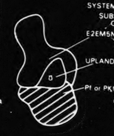
SYMBOLOGY EXAMPLE



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MICROFICHE INDEX
BALTIMORE (SE)

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

SPARROWS POINT MD

BALTIMORE SE
BALTIMORE

SCALE 1:24000

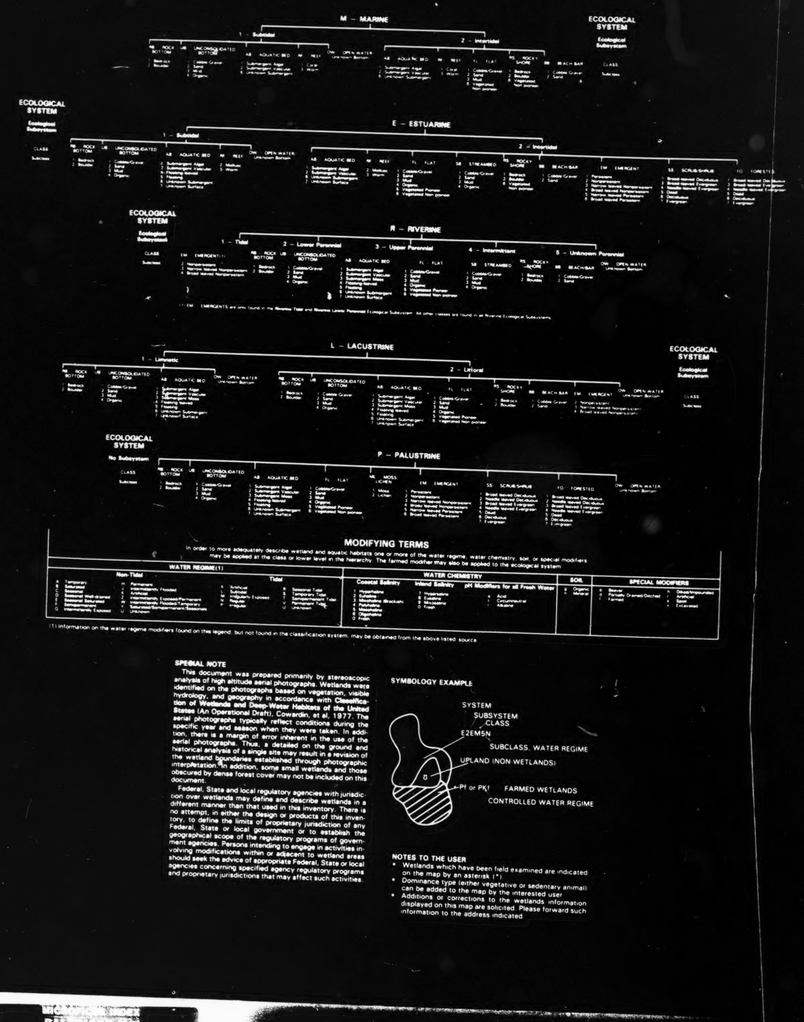
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

AR1 AERIAL PHOTO 2132

SPARROWS POINT, MD.

WETLAND LEGEND

0 – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions



MODIFYING TERMS

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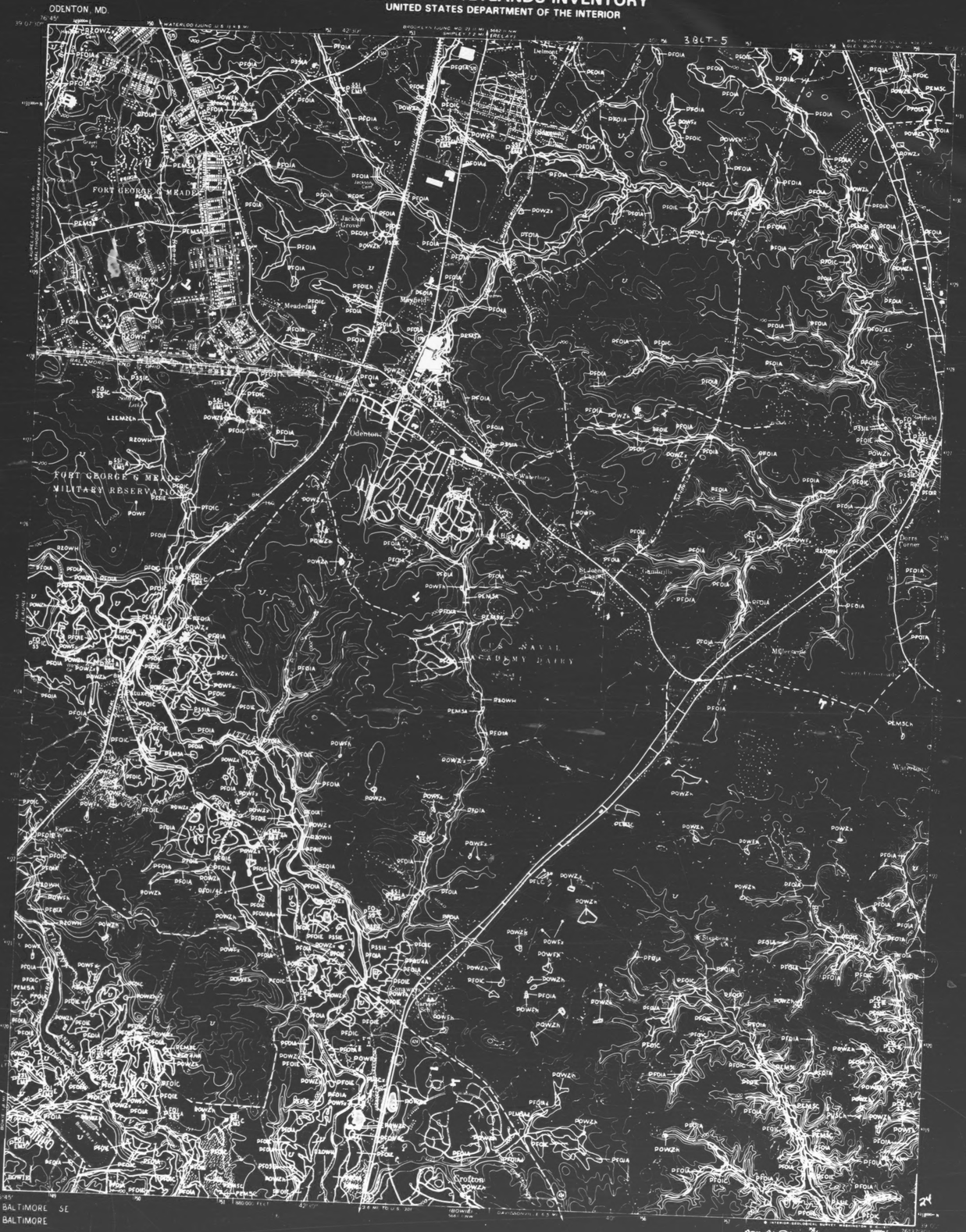
| WATER REGIME(1) | | |

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



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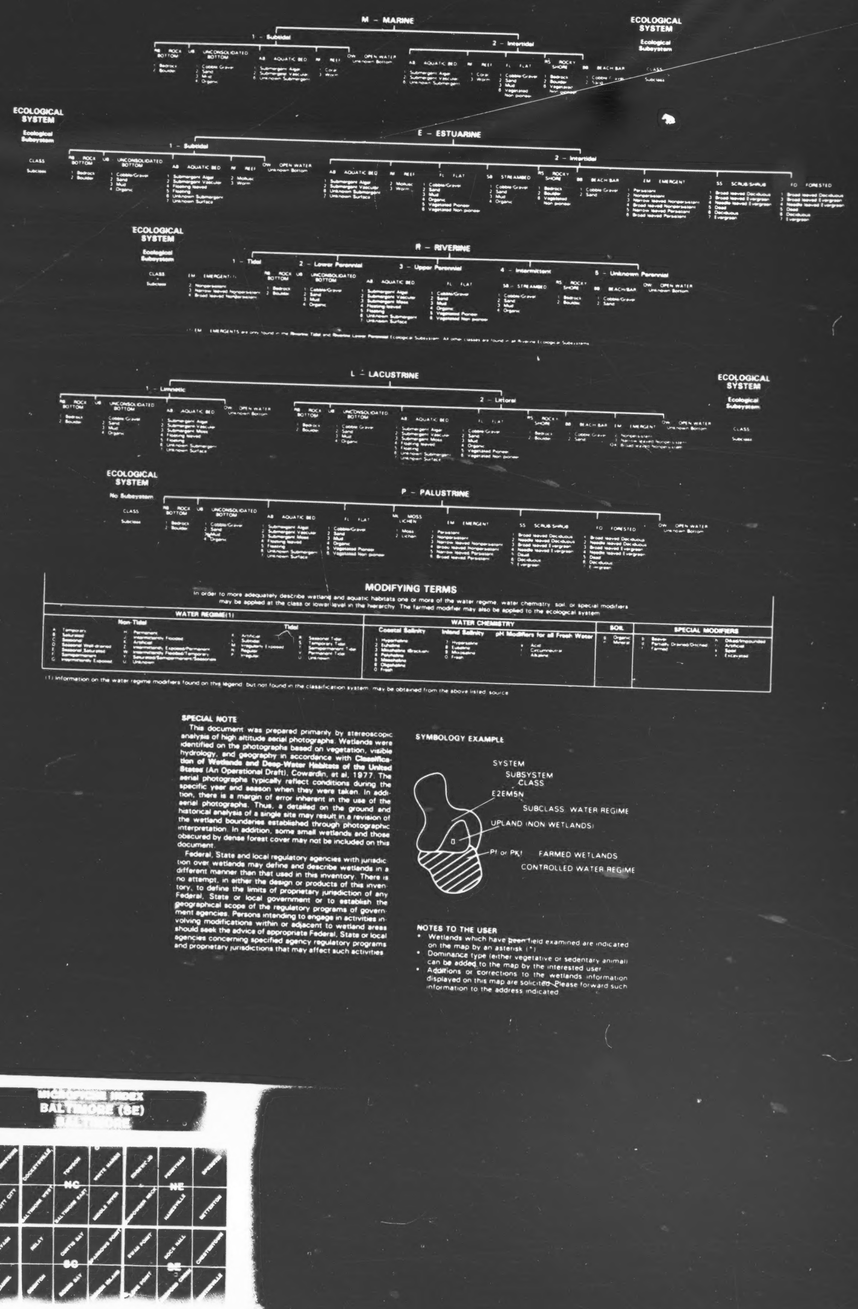

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	C Permanent	J Intermittently Exposed	Y Permanently Flooded	1 Hyperhaline	6 Hypersaline	7 Acid	D Organic	B Beaver
B Saturated	D Seasonal	K Artificial	Z Intermittently Flooded	2 Euhaline	5 Mixosaline	8 Alkaline	Mineral	H Diked/Impounded
E Seasonal/Saturated	F Semipermanent	L Subtidal		3 Polyhaline				R Partially Drained/Ditched
G Intermittently Flooded	H Permanently Flooded	M Irregularly Exposed		4 Mesohaline				X Excavated
U Intermittently Exposed		N Regularly Flooded						

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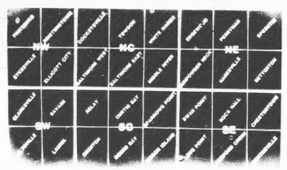

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

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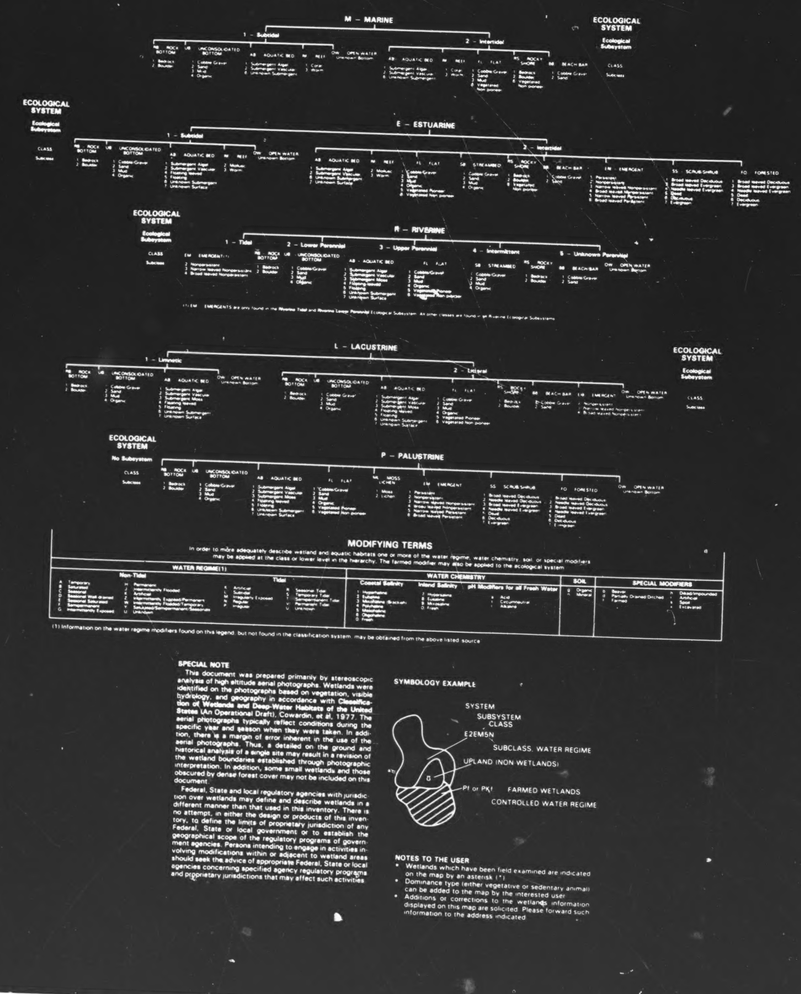

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WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well Drained E Saturated Well Drained F Intermittent Exposed	G Intermittent Flooded H Permanent J Intermittent, Exposed/Permanent K Artificial Permanent L Intermittent Exposed/Artificial Permanent	1 Hypersaline 2 Eusaline 3 Mixosaline 4 Mixohaline (Brackish) 5 Polysaline 6 Fresh	7 Hyperhaline 8 Euhaline 9 Mixohaline 0 Fresh	a Acid b Circumneutral c Alkaline	n Organic o Mineral	d Partially Drained/Ditched f Farmed h Diked/Impounded r Artificial s Spoil x Excavated

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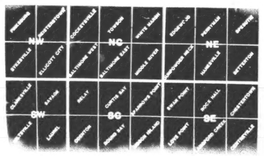
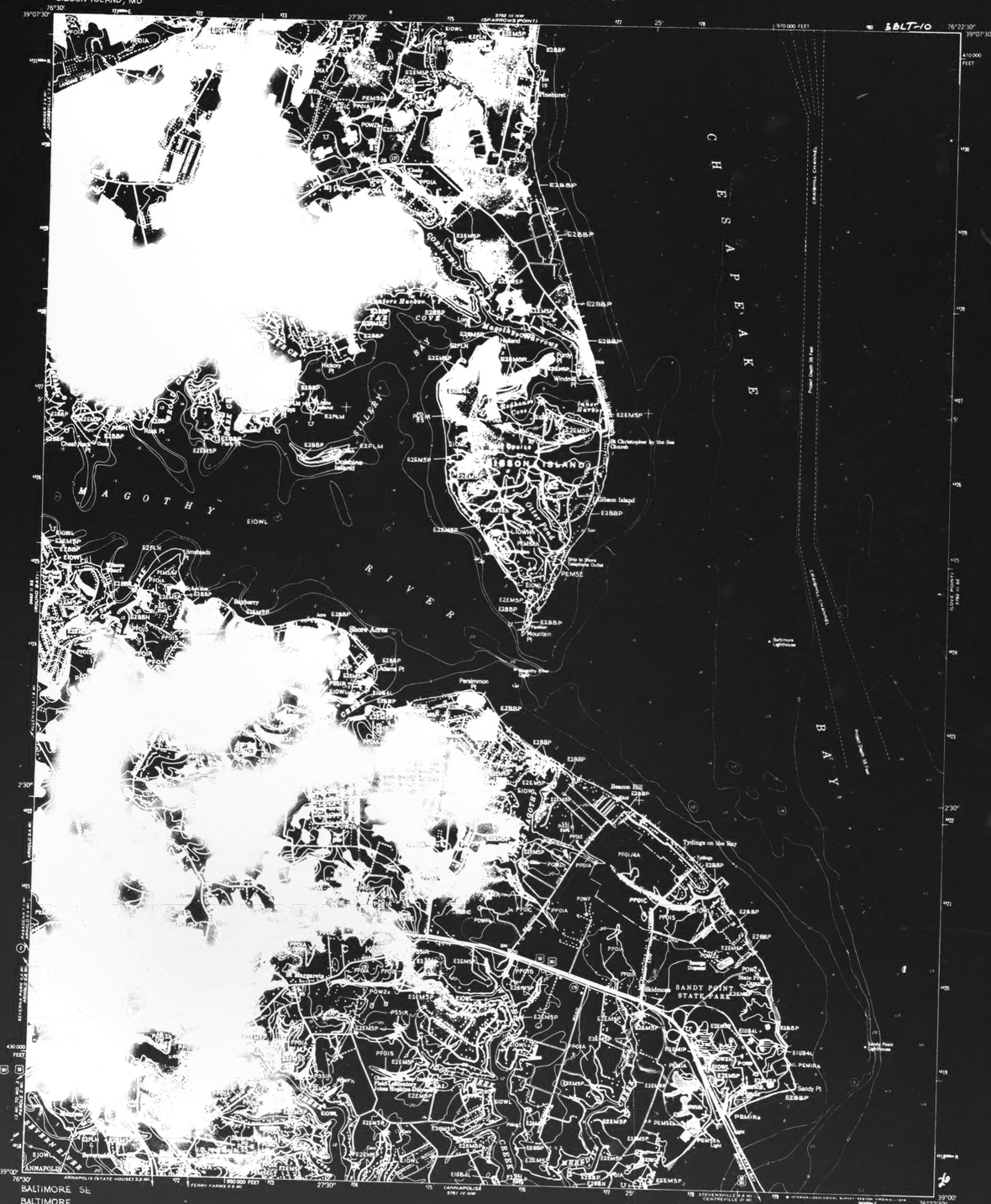
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

GIBSON ISLAND, MD



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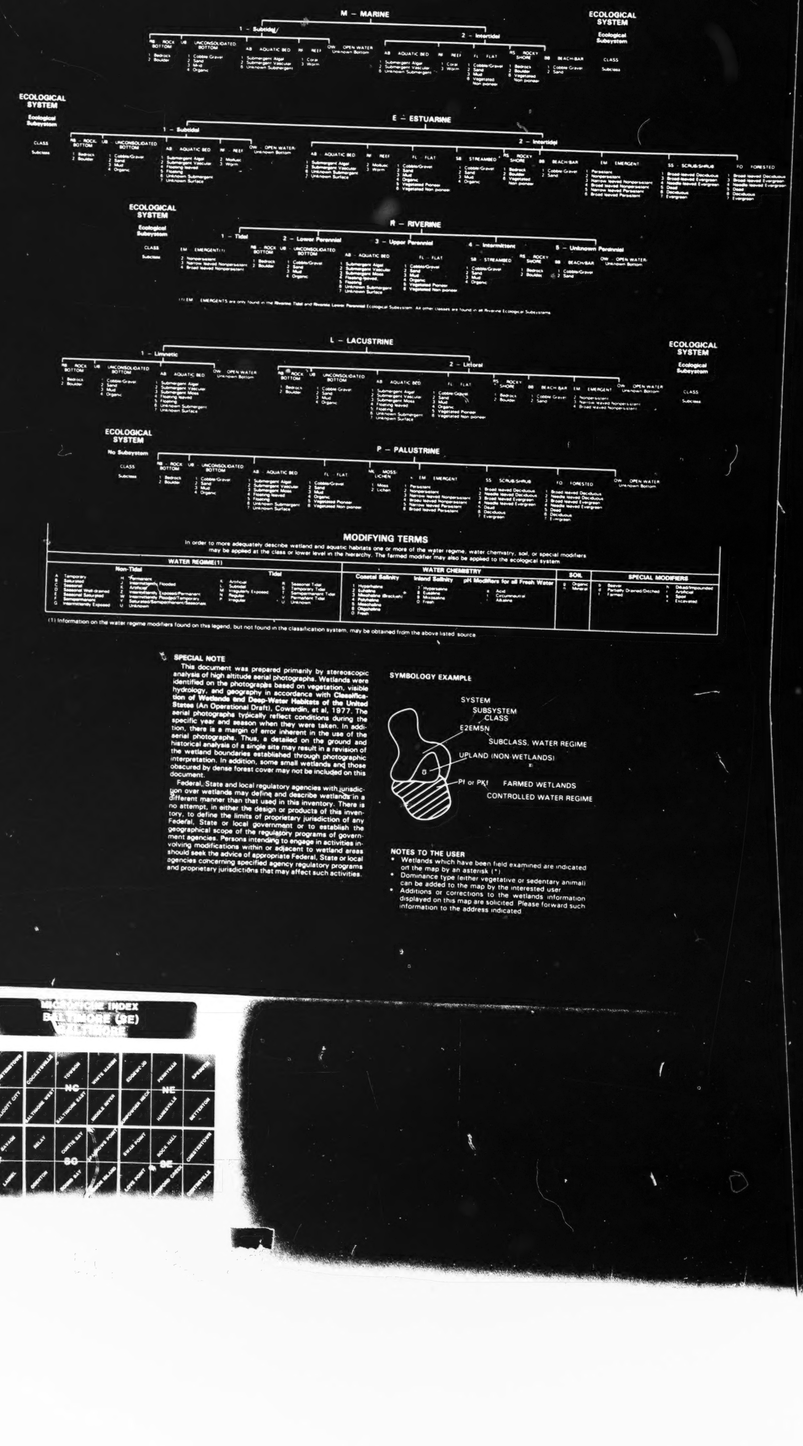

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
Permanently Flooded	Intermittently Exposed	Subtidal	Irregularly Flooded	Hypersaline	Hypersaline	Acid	Organic	Beaver
Intermittently Flooded	Permanently Flooded	Permanently Flooded	Regularly Flooded	Eusaline	Eusaline	Circumneutral	Mineral	Partially Drained/Ditched
Saturated	Intermittently Exposed/Permanent	Intermittently Exposed	Irregularly Flooded	Polyhaline	Mixosaline	Alkaline		Farmed
Artificially Flooded	Semipermanently Flooded	Semipermanently Flooded	Temporarily Flooded	Mesohaline	Mixohaline (Brackish)			Diked/Impounded
Seasonally Flooded	Intermittently Exposed/Semipermanent	Intermittently Exposed	Saturated	Oligohaline	Subsaline			Artificial
Temporarily Flooded	Seasonally Flooded	Seasonally Flooded	Artificially Flooded	Mixohaline (Brackish)	Fresh			Excavated
Intermittently Exposed	Temporarily Flooded	Temporarily Flooded	Intermittently Flooded	Fresh				
Permanently Flooded/Impounded	Saturated	Intermittently Flooded	Permanently Flooded					
Intermittently Exposed/Permanent	Artificially Flooded	Artificially Flooded	Intermittently Exposed					
	Seasonally Flooded/Saturated	Saturated	Permanently Flooded/Impounded					
	Temporarily Flooded/Saturated	Permanently Flooded/Impounded	Intermittently Exposed/Permanent					
	Intermittently Flooded	Intermittently Exposed/Permanent	Unknown					
	Unknown	Unknown						

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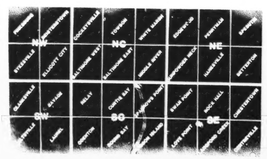
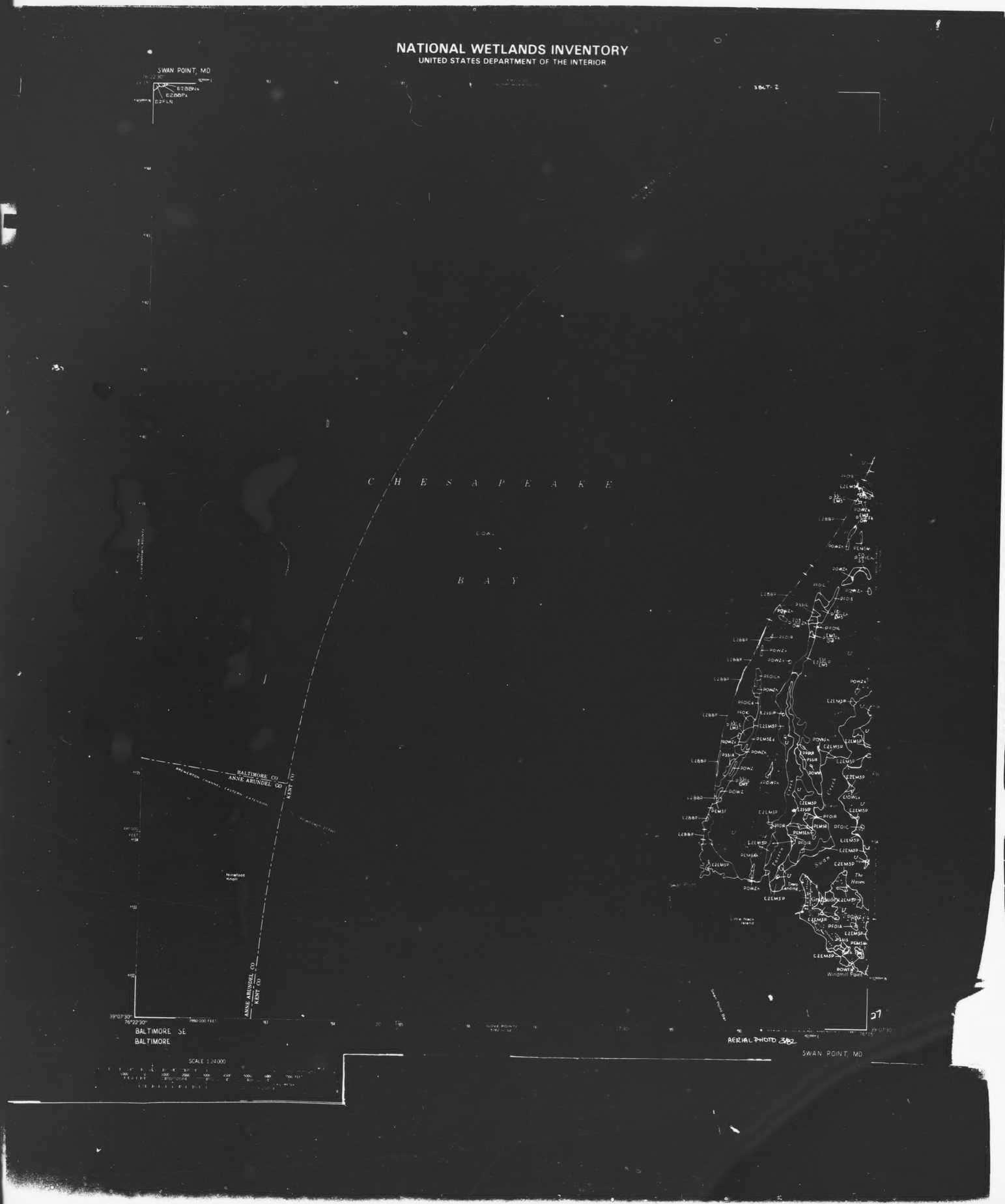
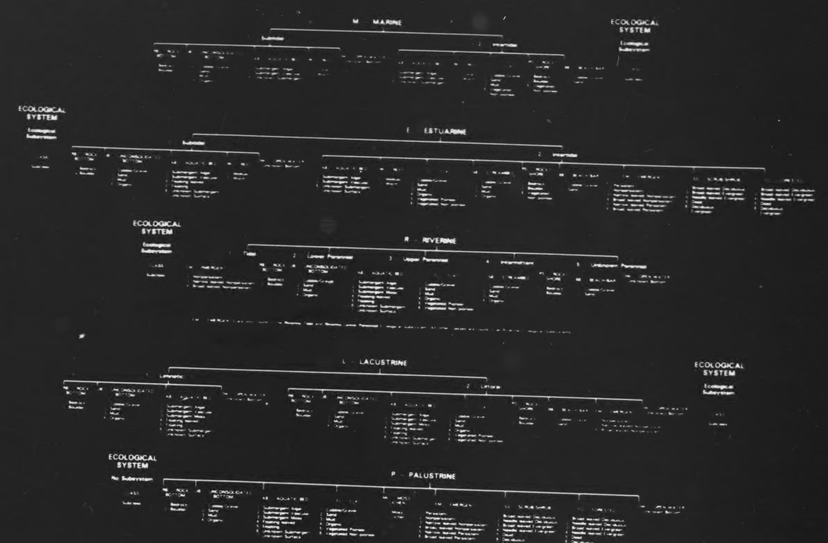


NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

Polygons represent wetland areas. Solid lines may include non-wetland inclusions such as man-modified areas too small to identify at this scale. Boundaries between wetlands and deepwater habitats are at the lowest level of vegetation or at a depth of 2 meters (6.6 feet) if vegetation is absent.



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WATER REGIME[1]		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity - pH Modifiers for all Fresh Water		
A Temporary	J Irregularly Flooded	1 Hyperhaline	1 Hyperhaline		
B Saturated	K Regularly Flooded	2 Euhaline	2 Eutrohaline		
C Seasonal	L Irregularly Exposed	3 Mixohaline (Brackish)	3 Mixohaline (Brackish)		
D Intermittently Exposed	M Regularly Exposed	4 Polyhaline	4 Mesohaline		
E Permanent	N Artificially Flooded	5 Mesohaline	5 Oligohaline		
F Intermittent		6 Oligohaline	6 Fresh		
G Artificially Flooded		7 Fresh			
H Permanently Flooded					
Intermittently Flooded					

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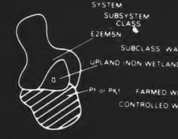

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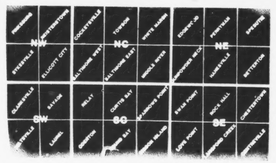
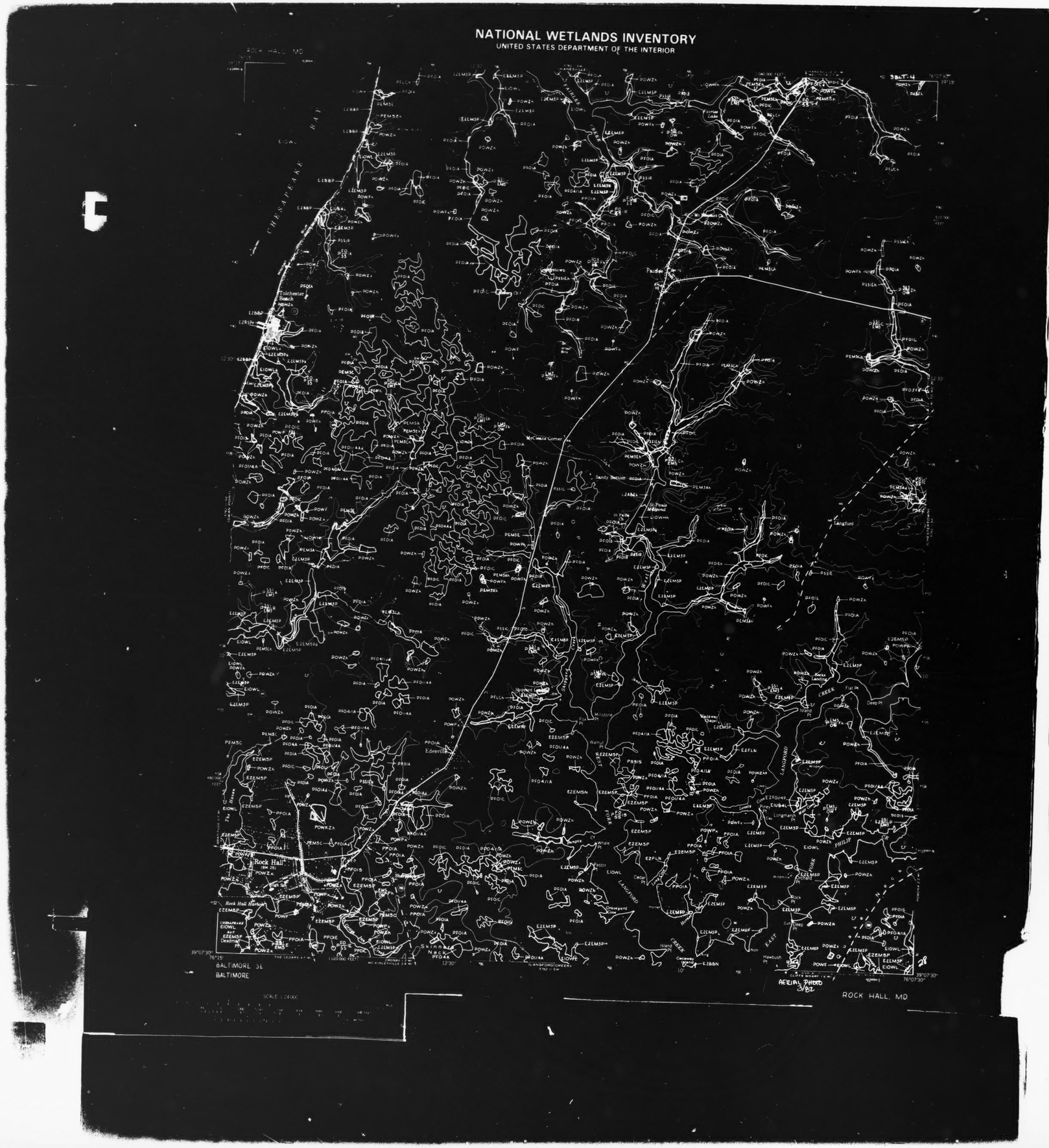


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



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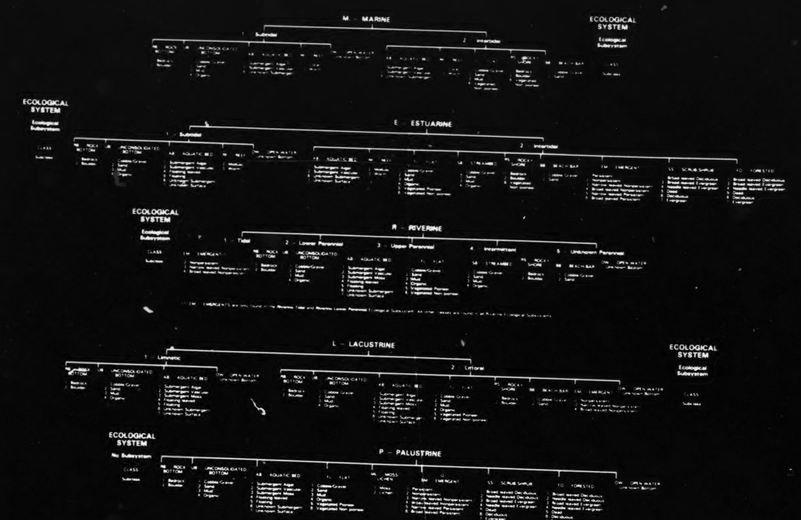

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Non-Tidal		Tidal		Coastal Salinity	Inland Salinity		
A. Temporary	H. Permanent	K. Subtidal	T. Semipermanent Tidal	1. Hypersaline	6. Hyperhaline	1. Organic	b. Beaver
B. Saturated	J. Intermittently Exposed	L. Irregularly Exposed	U. Temporary Tidal	2. Euhaline	7. Mixohaline (Brackish)	2. Mineral	d. Partially Drained/Ditched
C. Seasonal	K. Artificially Flooded	M. Regularly Flooded	V. Intermittently Tidal	3. Mixohaline (Brackish)	8. Fresh		f. Farmed
D. Intermittently Exposed		N. Irregularly Flooded		4. Polyhaline			h. Diked/Impounded
E. Permanently Flooded		P. Regularly Flooded		5. Mesohaline			x. Excavated
F. Intermittently Flooded							
G. Intermittently Flooded/Saturated							

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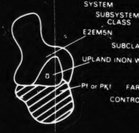

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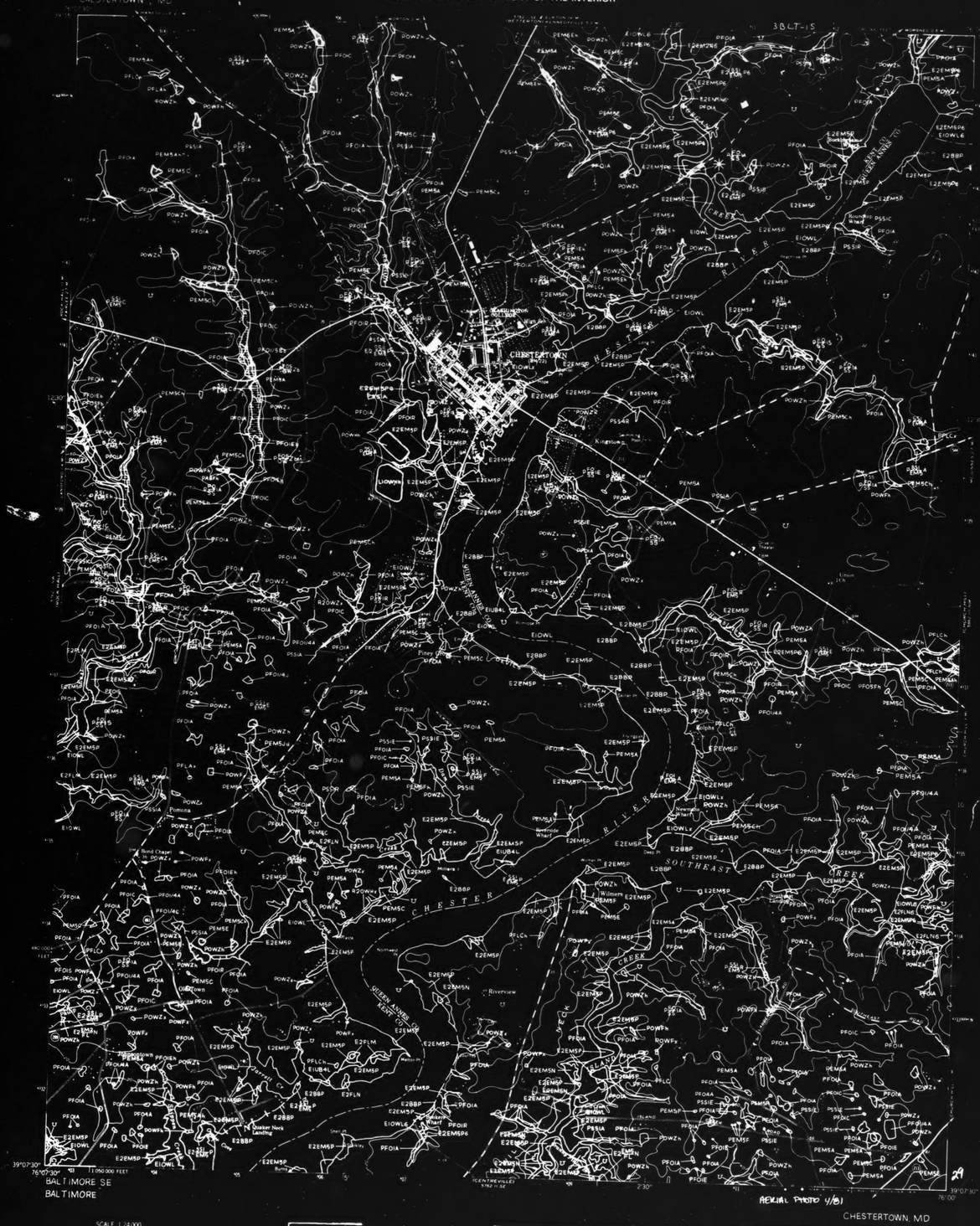
MICROFICHE INDEX
BALTIMORE (SE)
BALTIMORE

GB10

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



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M – MARINE

ECOLOGICAL SYSTEM

1 – Subtidal: Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Reef; Open Water/Unknown Bottom

2 – Intertidal: Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Reef; Flat; Rock Shore; Beach/Bar; Unknown Shore

E – ESTUARINE

ECOLOGICAL SYSTEM

1 – Subtidal: Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Reef; Open Water/Unknown Bottom

2 – Intermidal: Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Reef; Flat; Streambed; Rock Shore; Beach/Bar; Emergent; Unknown Shore; Scrub/Shrub; Forested

R – RIVERINE

ECOLOGICAL SYSTEM

1 – Tidal; 2 – Lower Perennial; 3 – Upper Perennial; 4 – Intermittent; 5 – Unknown Perennial

Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Flat; Streambed; Rock Shore; Beach/Bar; Emergent; Unknown Shore; Open Water/Unknown Bottom

(1) – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM

1 – Limnetic; 2 – Littoral

Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Reef; Open Water/Unknown Bottom; Rock Shore; Beach/Bar; Emergent; Unknown Shore

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

Rock Bottom; Unconsolidated Bottom; Aquatic Bed; Flat; Moss/Lichen; Emergent; Scrub/Shrub; Forested; Open Water/Unknown Bottom

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

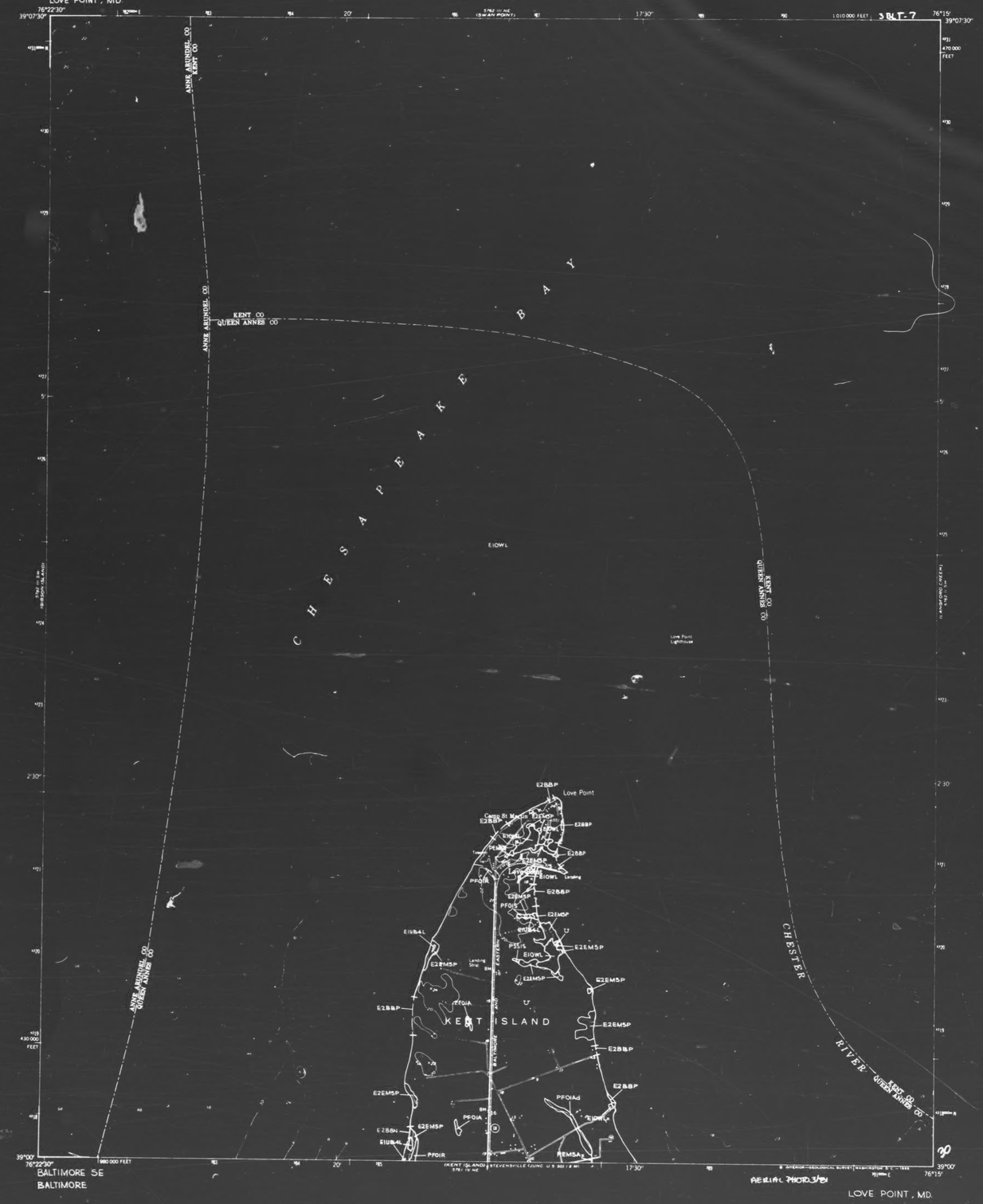
| WATER REGIME(1) | | |

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

LOVE POINT, MD

3 BLT-7



WETLAND LEGEND

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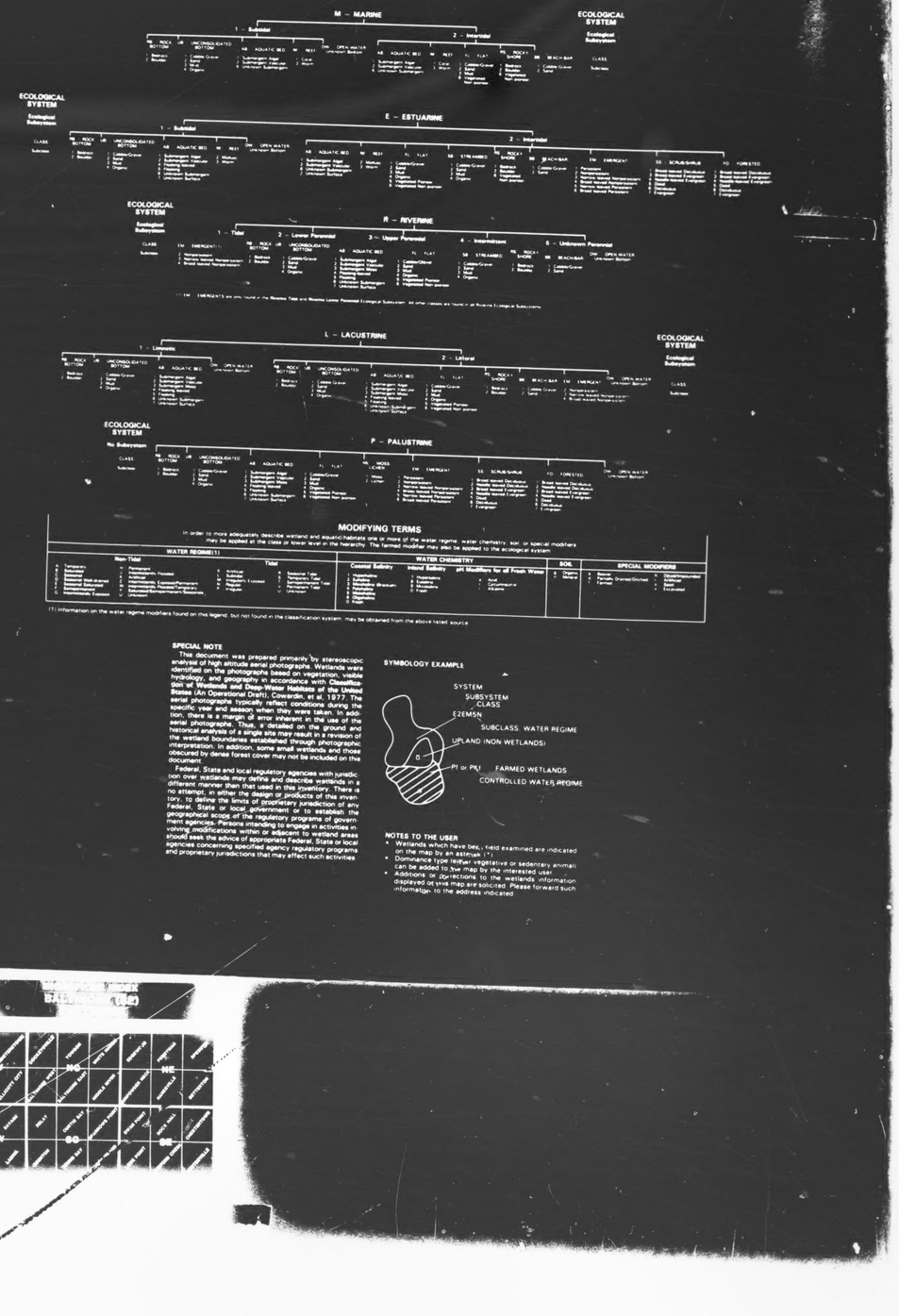

MODIFYING TERMS

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	F Intermittent	K Artificial	V Seasonal Tide	Hyperhaline	Hypersaline	Acid	Organic	B Beaver
B Saturated	G Intermittently Flooded	L Artificially Flooded	W Temporary Tide	Euhaline	Eusaline	Circumneutral	Mineral	D Partially Drained/Ditched
C Seasonal	H Permanent	M Subtidal	X Intermittently Tide	Mixohaline (Brackish)	Mixosaline	Alkaline		F Farmed
D Seasonal/Well-drained	J Intermittently Exposed/Permanent	N Irregularly Exposed	Y Saturated/Temporary Tide	Polyhaline	Polysaline			
E Seasonal Saturated	Z Intermittently Flooded/Artificial	P Regularly Exposed	Z Artificial/Permanent Tide	Mesohaline	Mesosaline			
Intermittently Exposed		R Irregularly Flooded		Oligohaline	Oligosaline			
		U Unknown		Fresh	Fresh			

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deep Water Habitats of the United States (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

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SYMBOLOGY EXAMPLE

NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*)
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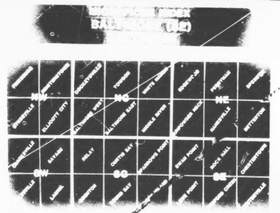

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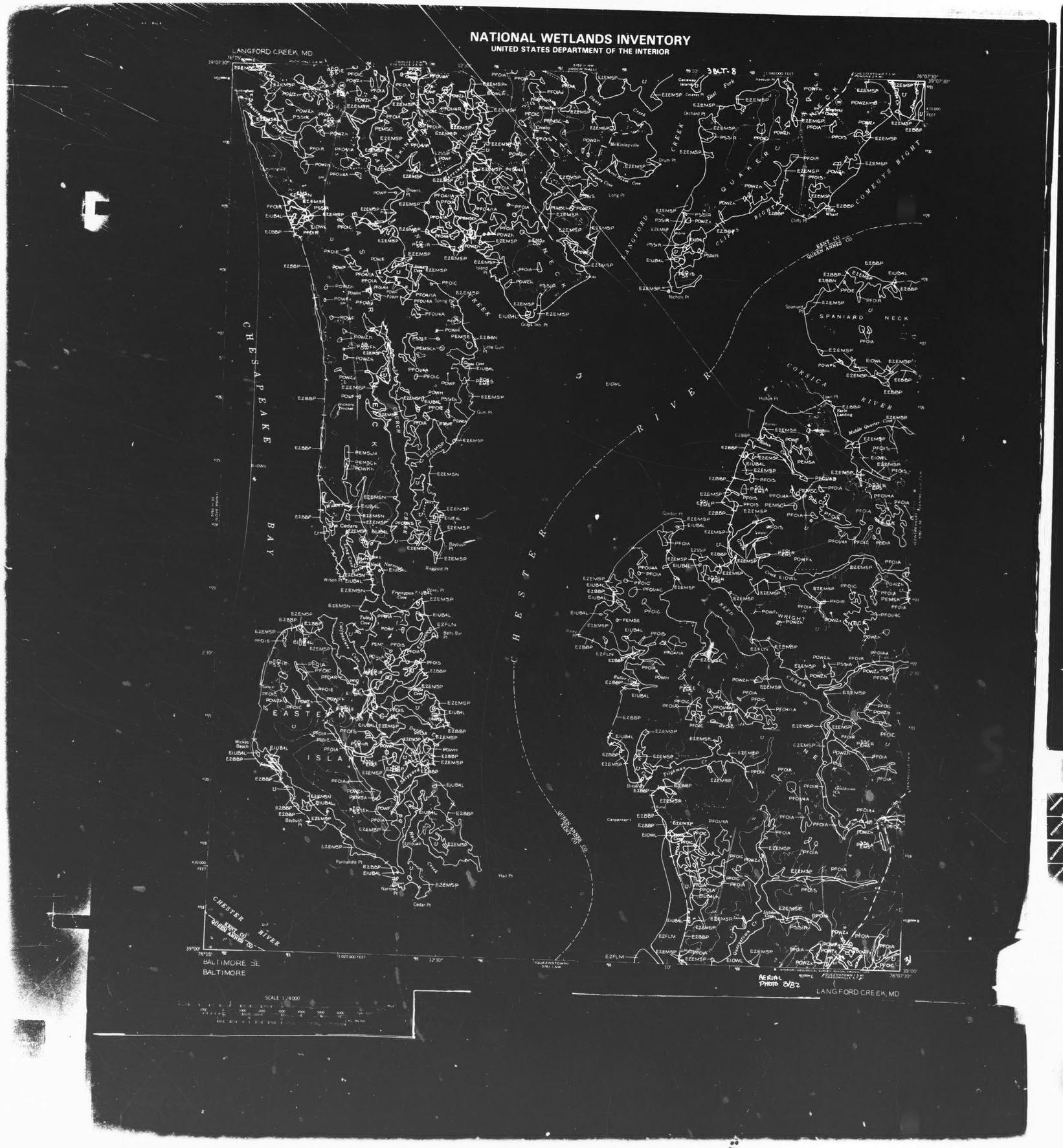
UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

[] – Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal: RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RF REEF; OW OPEN WATER (Unknown Bottom)

2 – Intertidal: RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RF REEF; FL FLAT; SB STREAMBED; RS ROCKY SHORE; BB BEACH BAR; EM EMERGENT; SS SCRUB/SHRUB; FO FORESTED

E – ESTUARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal: RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RF REEF; OW OPEN WATER (Unknown Bottom)

2 – Intertidal: AB AQUATIC BED; RF REEF; FL FLAT; SB STREAMBED; RS ROCKY SHORE; BB BEACH BAR; EM EMERGENT; SS SCRUB/SHRUB; FO FORESTED

R – RIVERINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Tidal; 2 – Lower Perennial; 3 – Upper Perennial; 4 – Intermittent; 5 – Unknown Perennial

RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; FL FLAT; SB STREAMBED; RS ROCKY SHORE; BB BEACH BAR; EM EMERGENT; OW OPEN WATER (Unknown Bottom)

EMERGENTS are typically found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. For other classes and found in all Riverine Ecological Subsystems

L – LACUSTRINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Limnetic; 2 – Littoral

RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; FL FLAT; RS ROCKY SHORE; BB BEACH BAR; EM EMERGENT; OW OPEN WATER (Unknown Bottom)

P – PALUSTRINE

ECOLOGICAL SYSTEM — No Subsystem — CLASS — Subclass

RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; MOSS LICHEN; EM EMERGENT; SS SCRUB/SHRUB; FO FORESTED

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)										WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS		
Non-Tidal					Tidal					Inland Salinity	Coastal Salinity	pH Modifiers for all Fresh Water					
A Temporary	E Seasonal	H Permanent	K Artificial		L Subtidal	P Irregularly Exposed				1 Hypersaline	4 Hyperhaline	5 Acid	6 Circumneutral	7 Alkaline	8 Organic	b Beaver	d Partially Drained/Ditched
B Saturated	F Semipermanent	J Intermittently Exposed			M Permanent	Q Intermittently Flooded				2 Mixosaline	3 Polyhaline					f Farmed	x Excavated
C Seasonal	G Intermittent				N Regularly Flooded	R Seasonal Tidal				0 Fresh	2 Oligohaline						
D Temporary Flooded					P Irregularly Flooded	T Temporary Tidal					1 Mesohaline						

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

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SYMBOLOGY EXAMPLE

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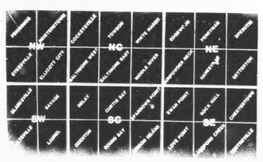
MICROFICHE INDEX
BALTIMORE (SE)



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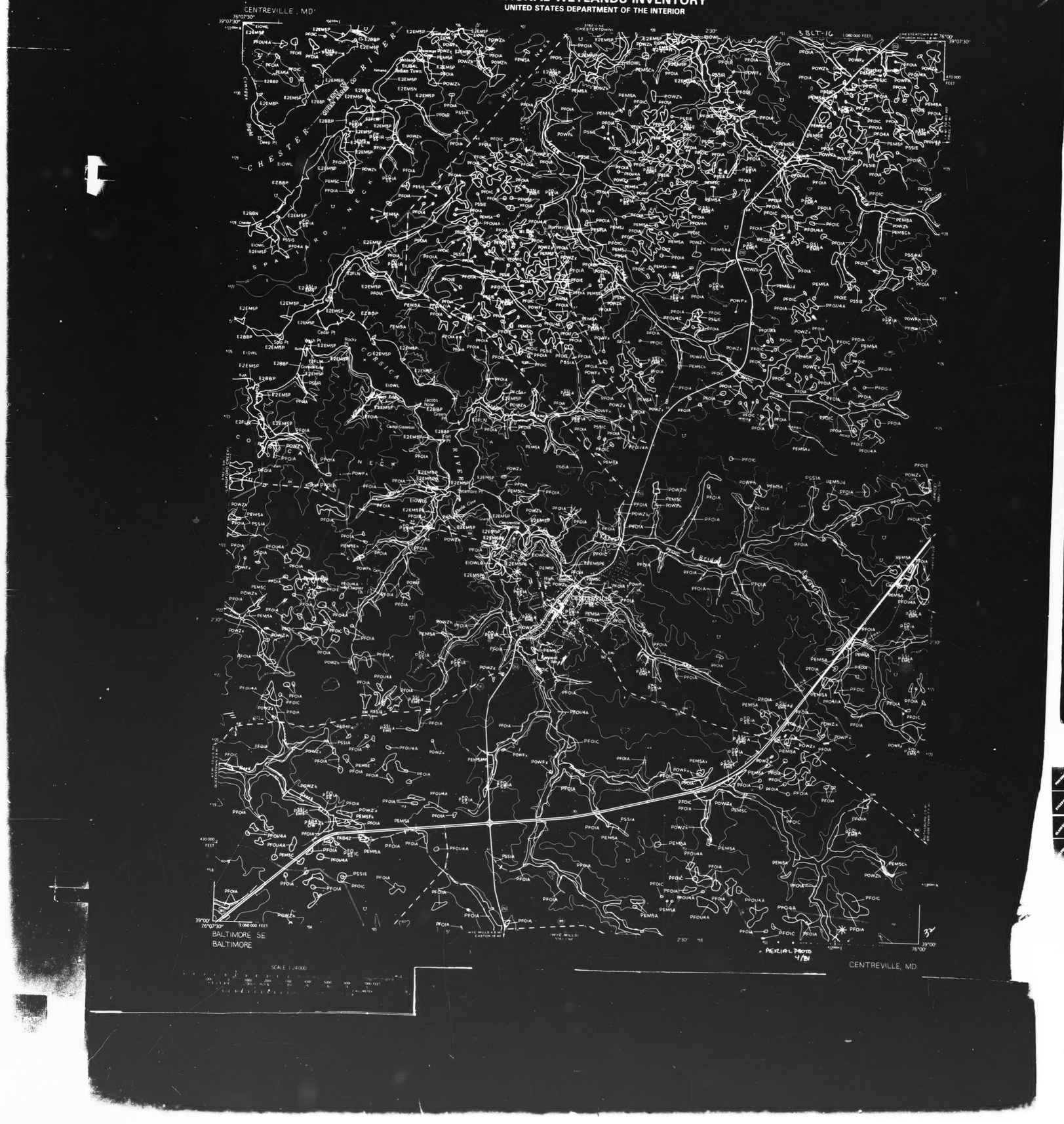

WETLAND LEGEND

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M – MARINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Subtidal: RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RF REEF; OW OPEN WATER
2 – Intertidal: AB AQUATIC BED; RF REEF; FL FLAT; RS ROCKY SHORE; BB BEACH BAR; OW OPEN WATER

E – ESTUARINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Subtidal: RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RF REEF; OW OPEN WATER
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R – RIVERINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Tidal; 2 – Lower Perennial; 3 – Upper Perennial; 4 – Intermittent; 5 – Unknown Perennial
RB ROCK BOTTOM; UB UNCONSOLIDATED BOTTOM; AB AQUATIC BED; RS ROCKY SHORE; BB BEACH BAR; EM EMERGENT; OW OPEN WATER

(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Limnetic; 2 – Littoral
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P – PALUSTRINE

ECOLOGICAL SYSTEM
No Subsystem
CLASS
Subclass

AB AQUATIC BED; RS ROCKY SHORE; EM EMERGENT; SS SCRUB-SHRUB; FO FORESTED; OW OPEN WATER

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal: A Temporary; B Saturated; C Seasonal; D Intermittent; E Permanent; F Intermittent Flooded
Tidal: G Irregularly Flooded; H Regularly Flooded; J Irregularly Exposed; K Artificial

WATER CHEMISTRY

Coastal Salinity: 1 Hypersaline; 2 Euhaline; 3 Mixohaline (Brackish); 4 Polyhaline; 5 Mesohaline; 6 Oligohaline; 7 Fresh
Inland Salinity – pH Modifiers for all Fresh Water: 8 Saline; 9 Alkaline; 0 Acid; a Circumneutral; b Alkaline

SOIL: 1 Organic; 2 Mineral

SPECIAL MODIFIERS: b Beaver; d Partly Drained/Ditched; f Diked/Impounded; h Farmed; r Artificial; s Spoil; x Excavated

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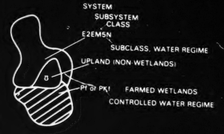

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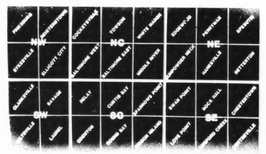
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